

See view, 25.01.

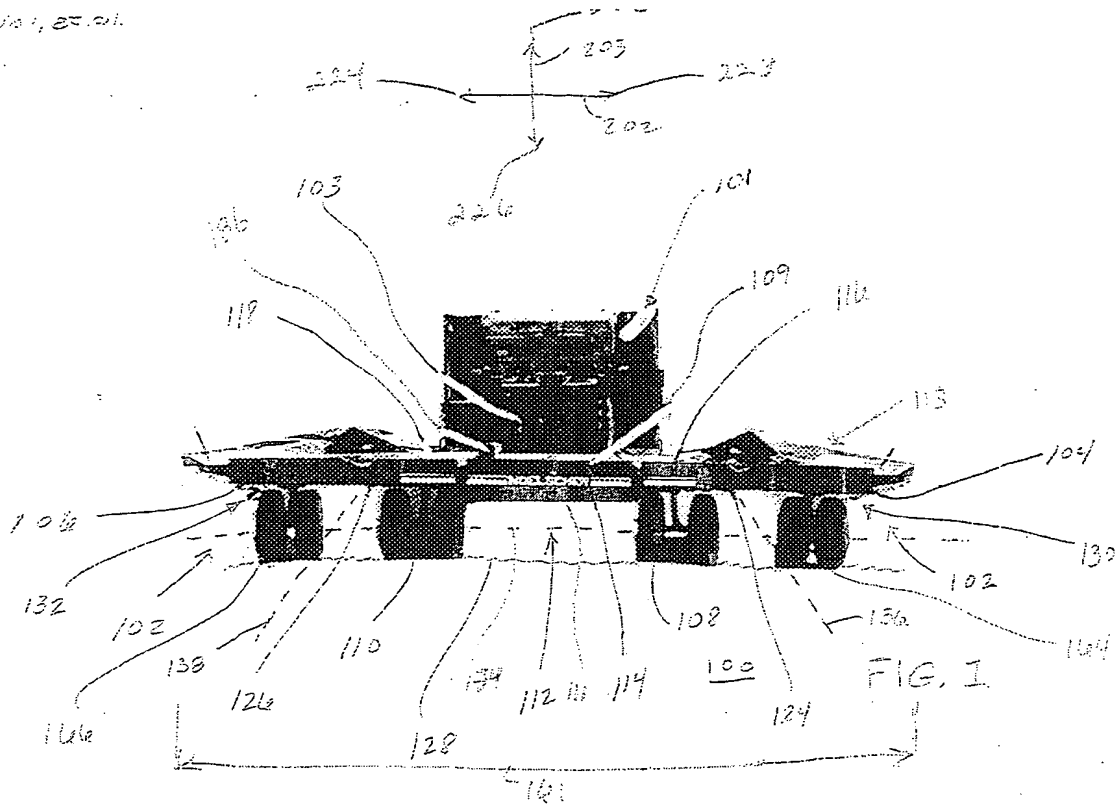


FIG. 1

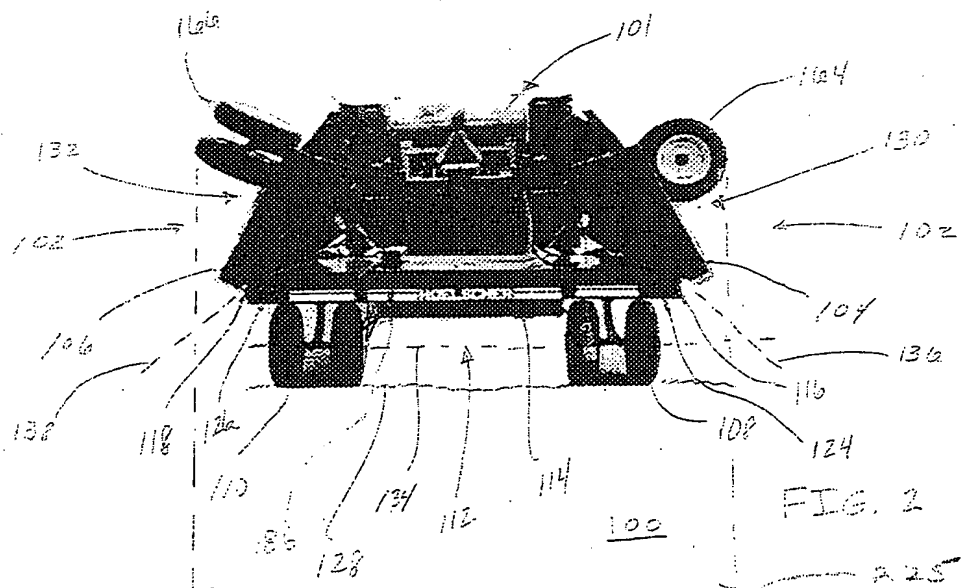


FIG. 2

701 GPS
700/228-240
240
241
244

561

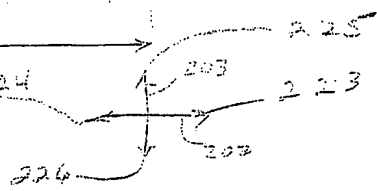
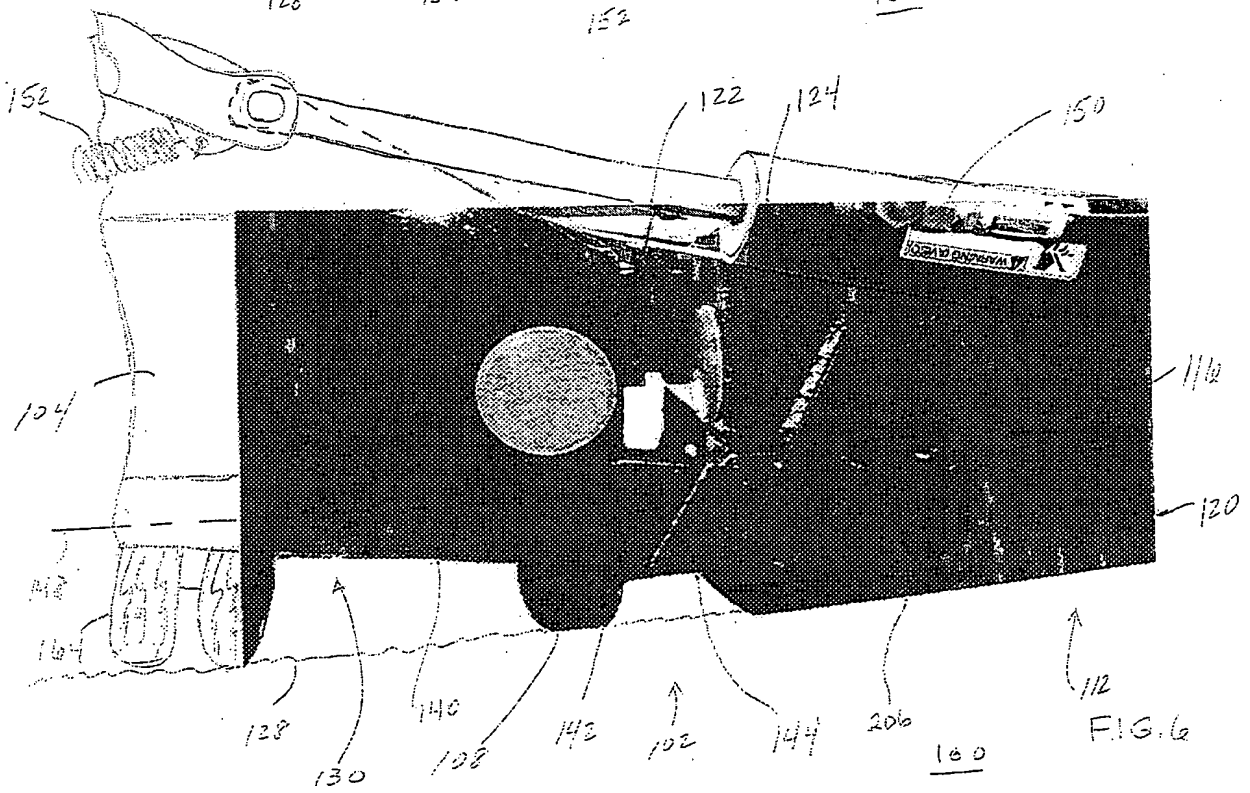
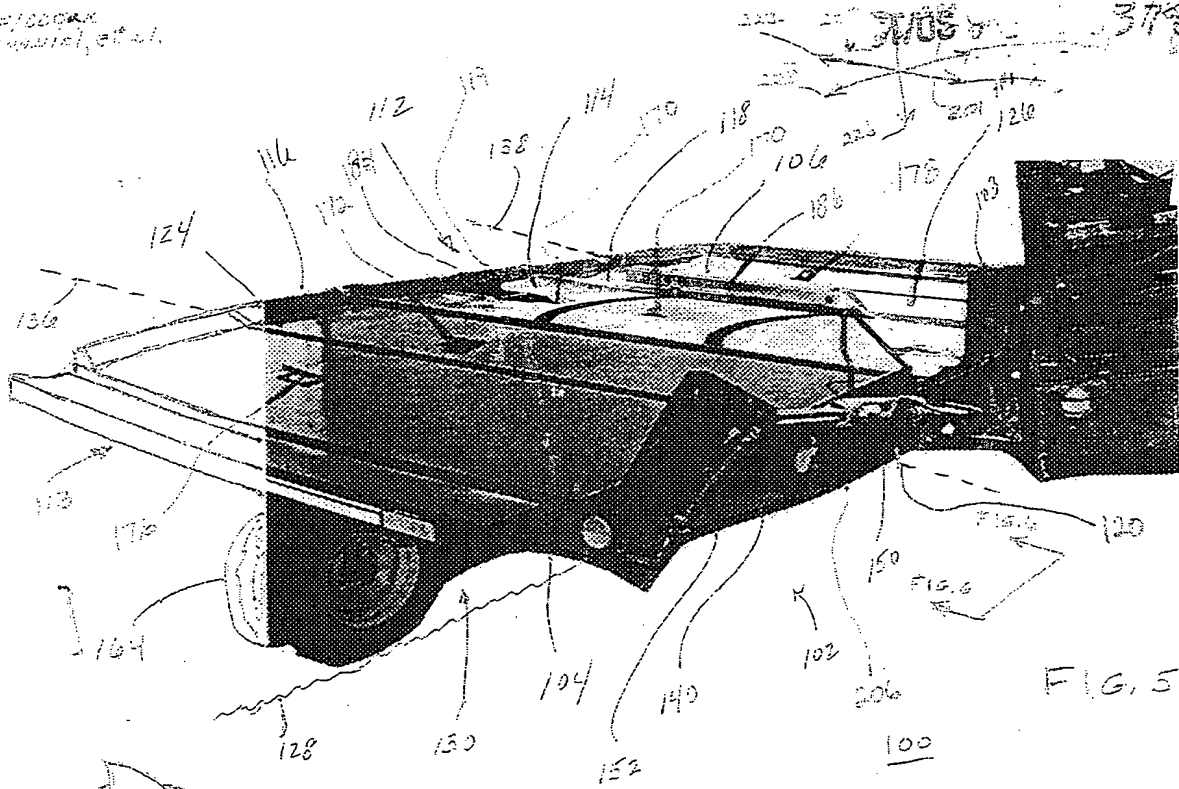
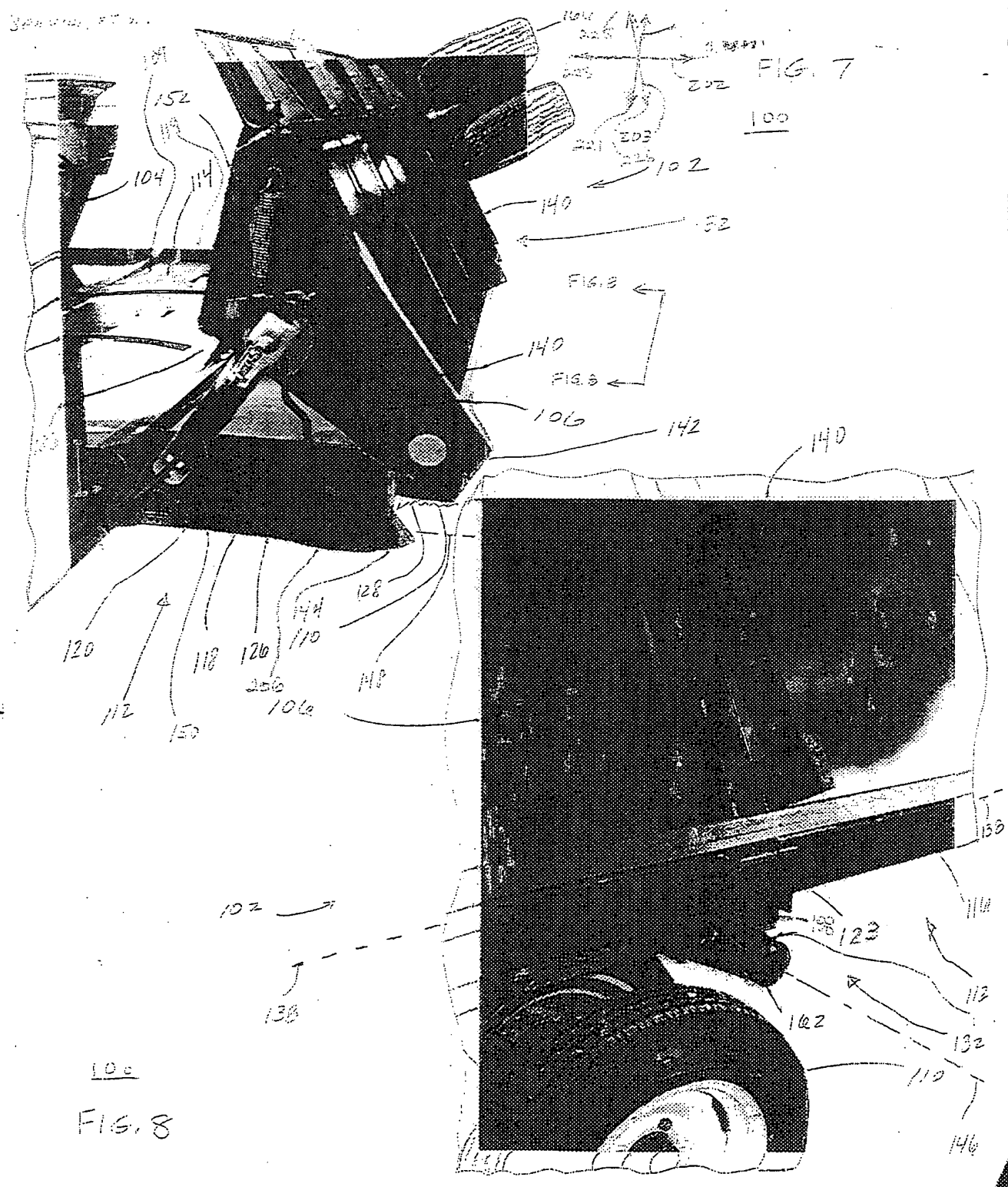
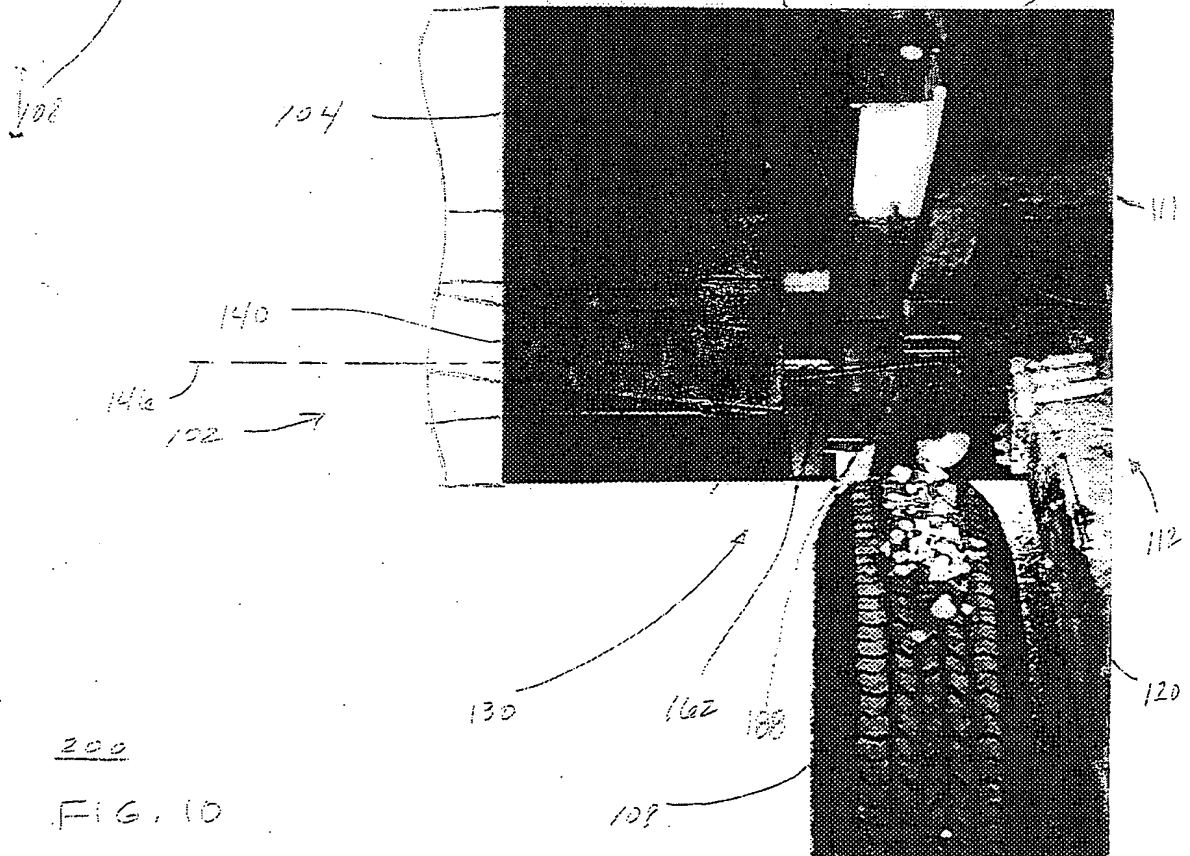
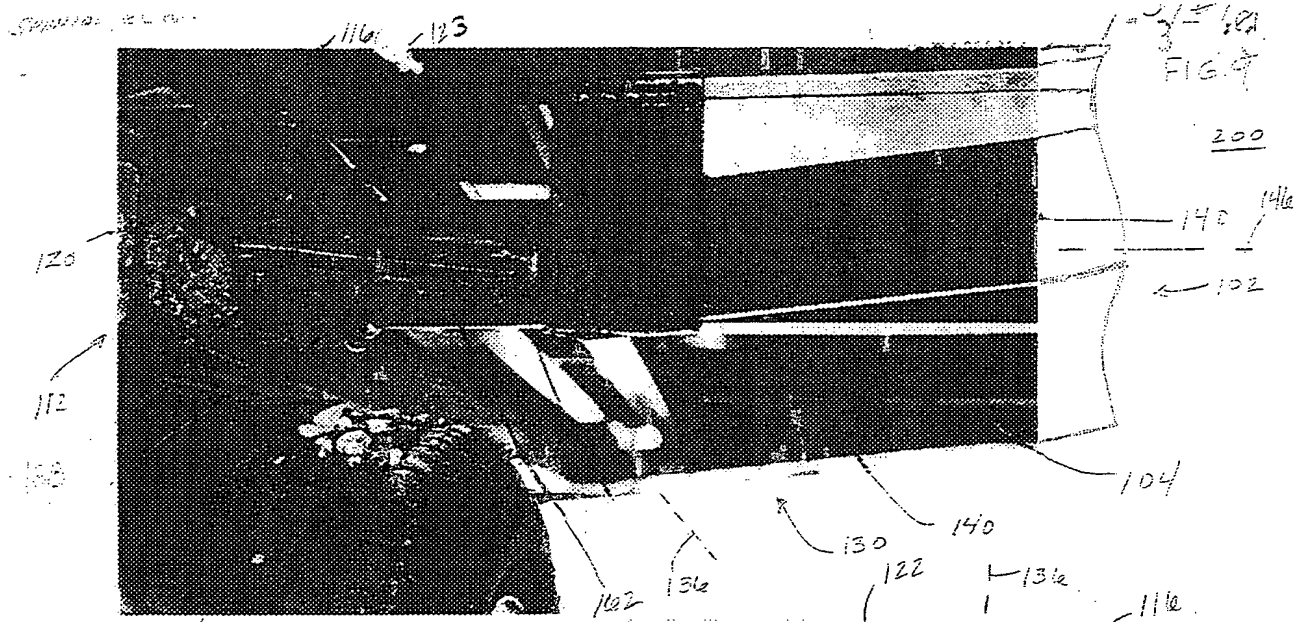
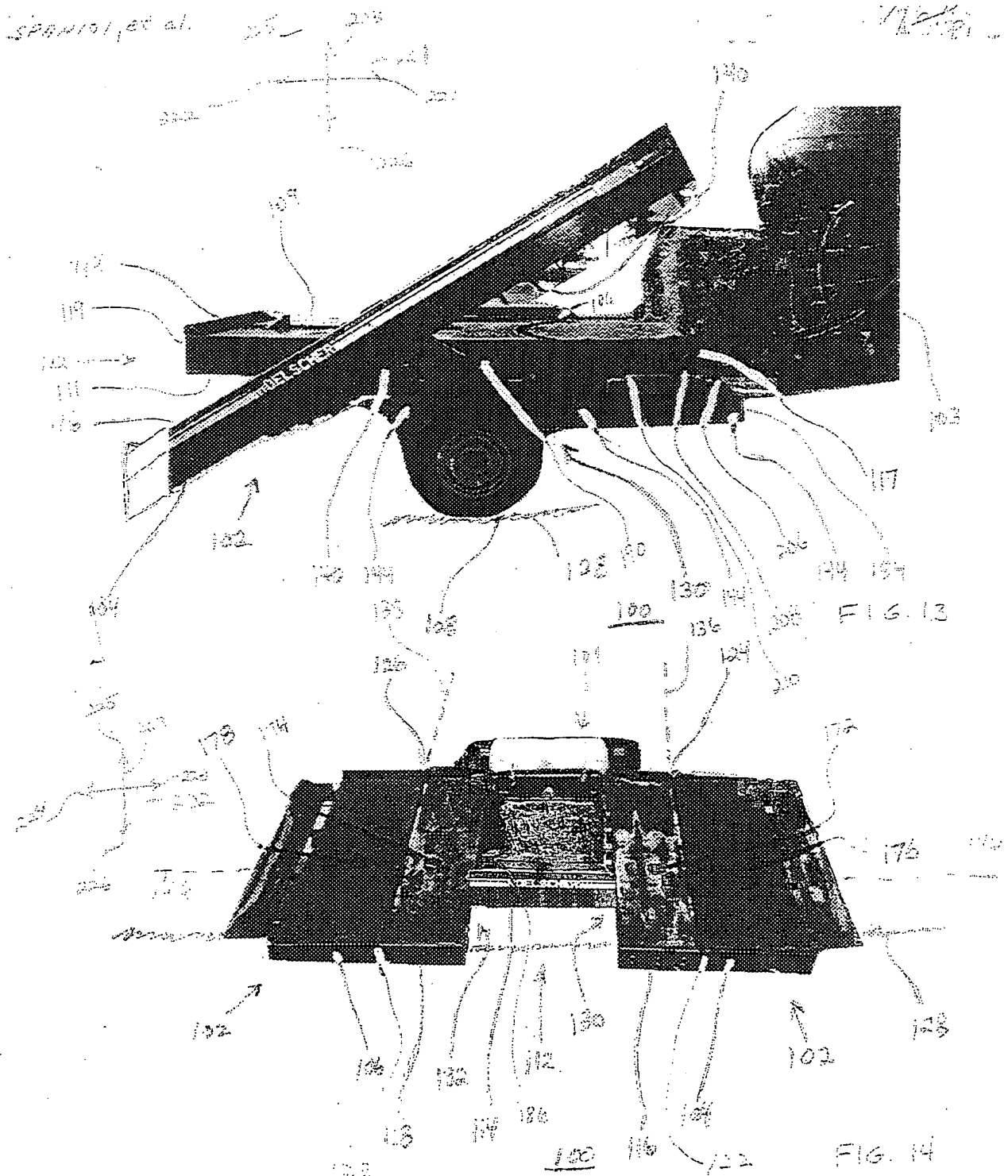


FIG. 5
374









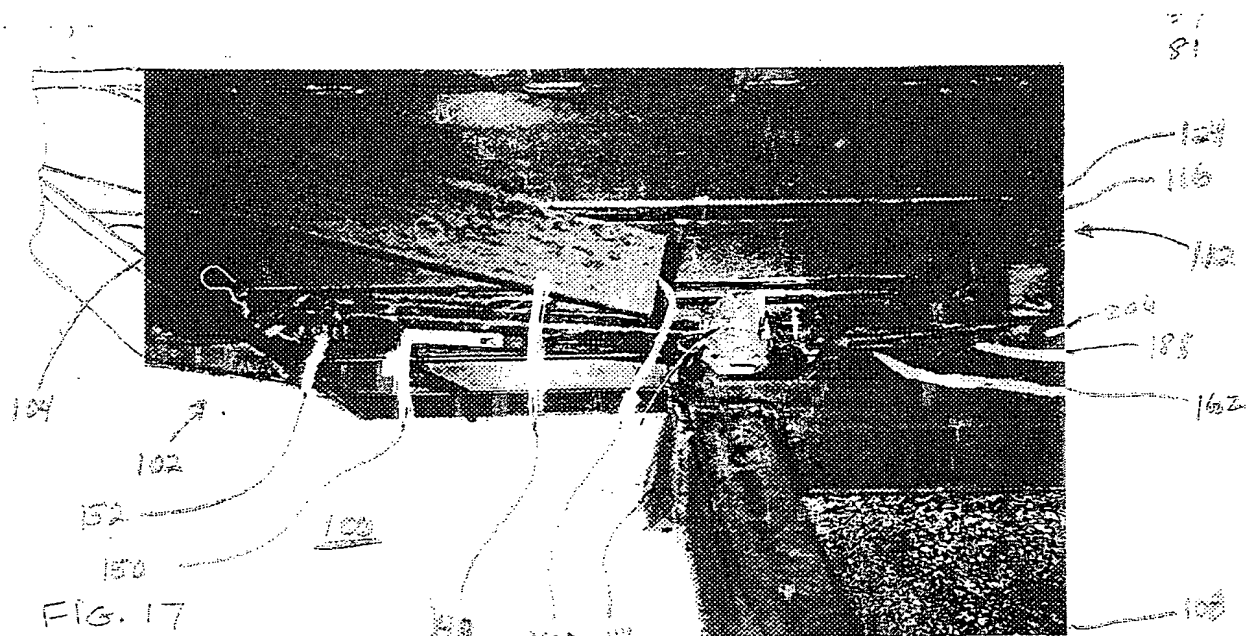
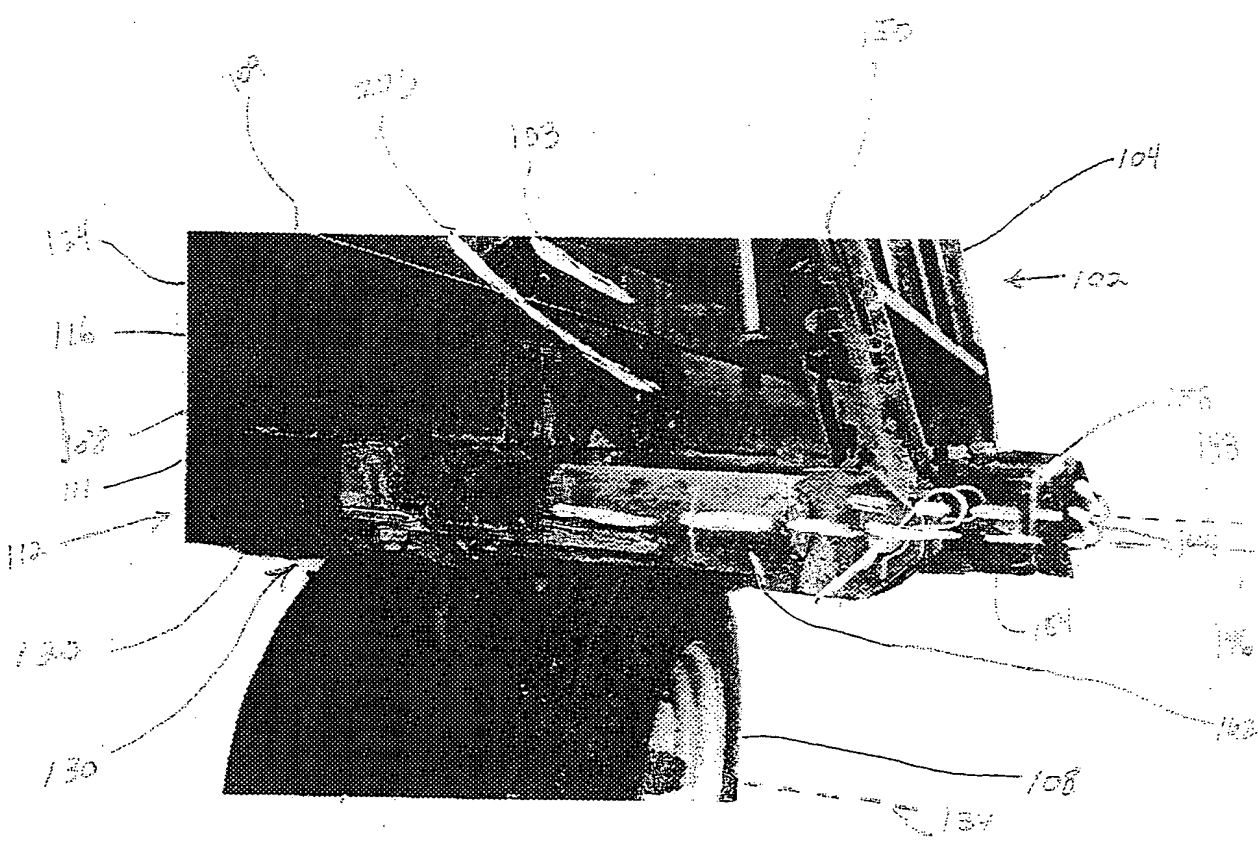
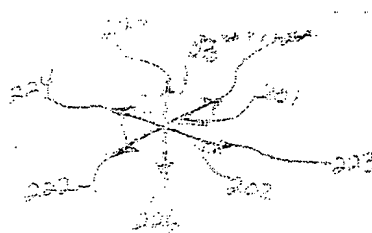


FIG. 21



100

FIG. 21

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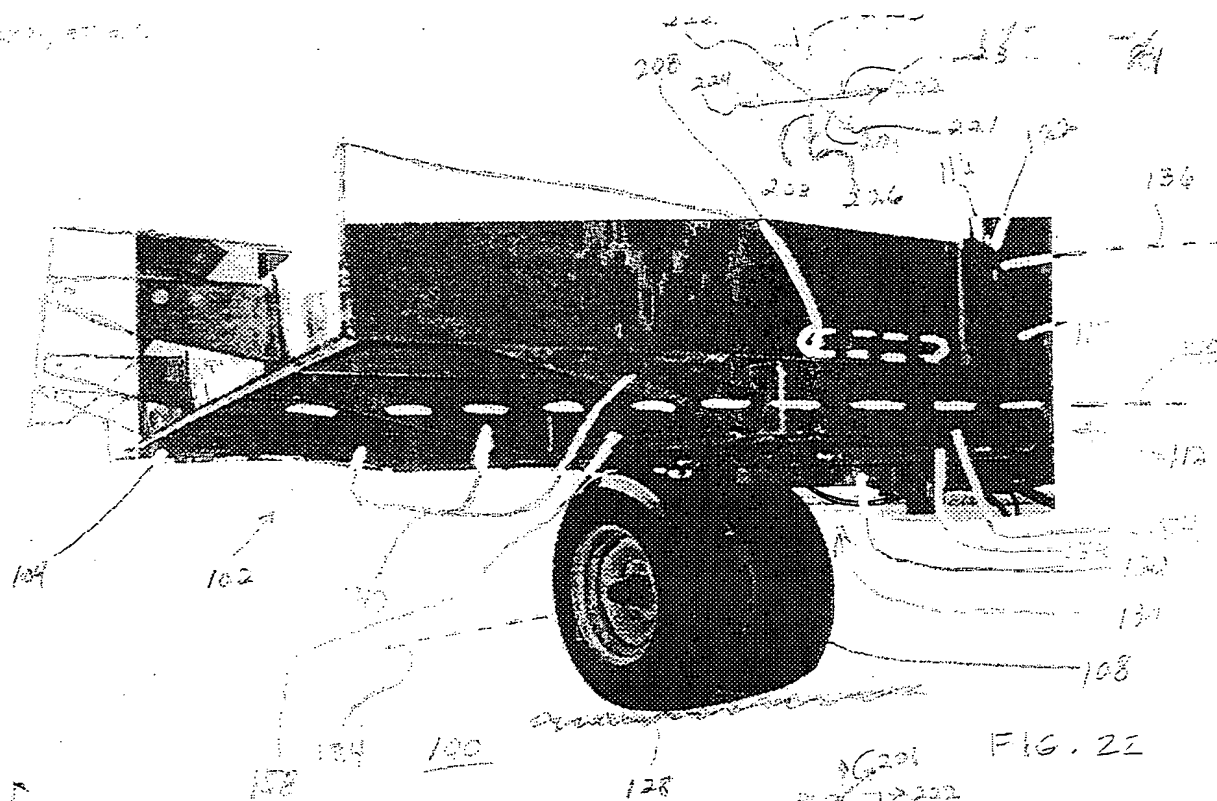


FIG. 22

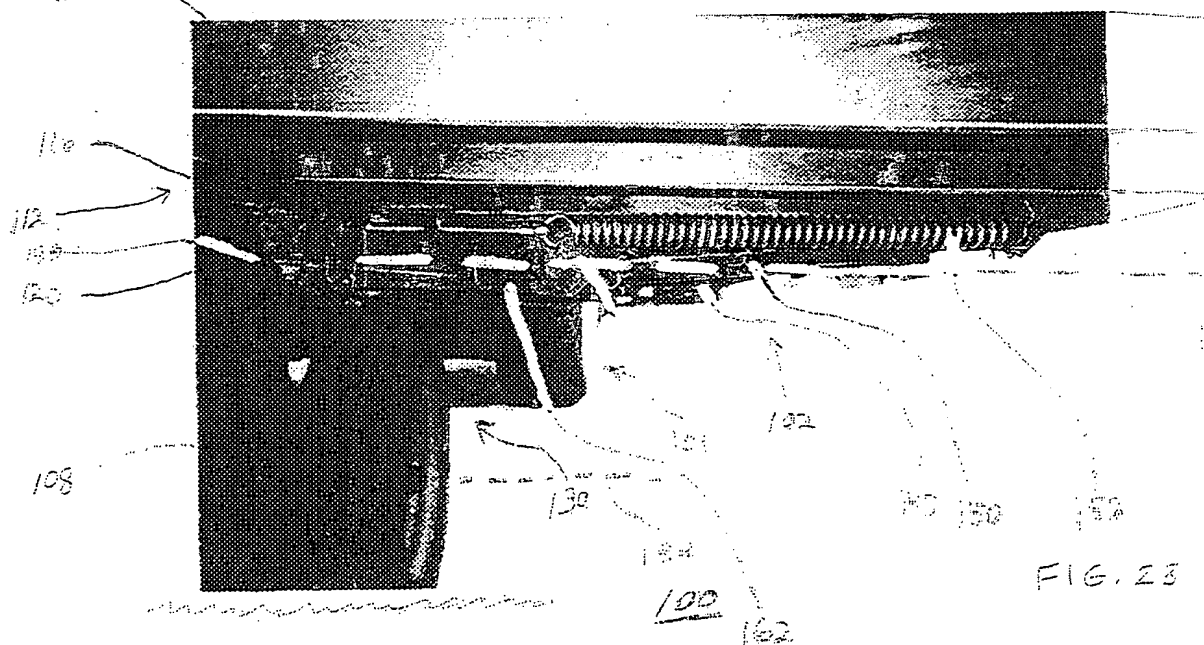
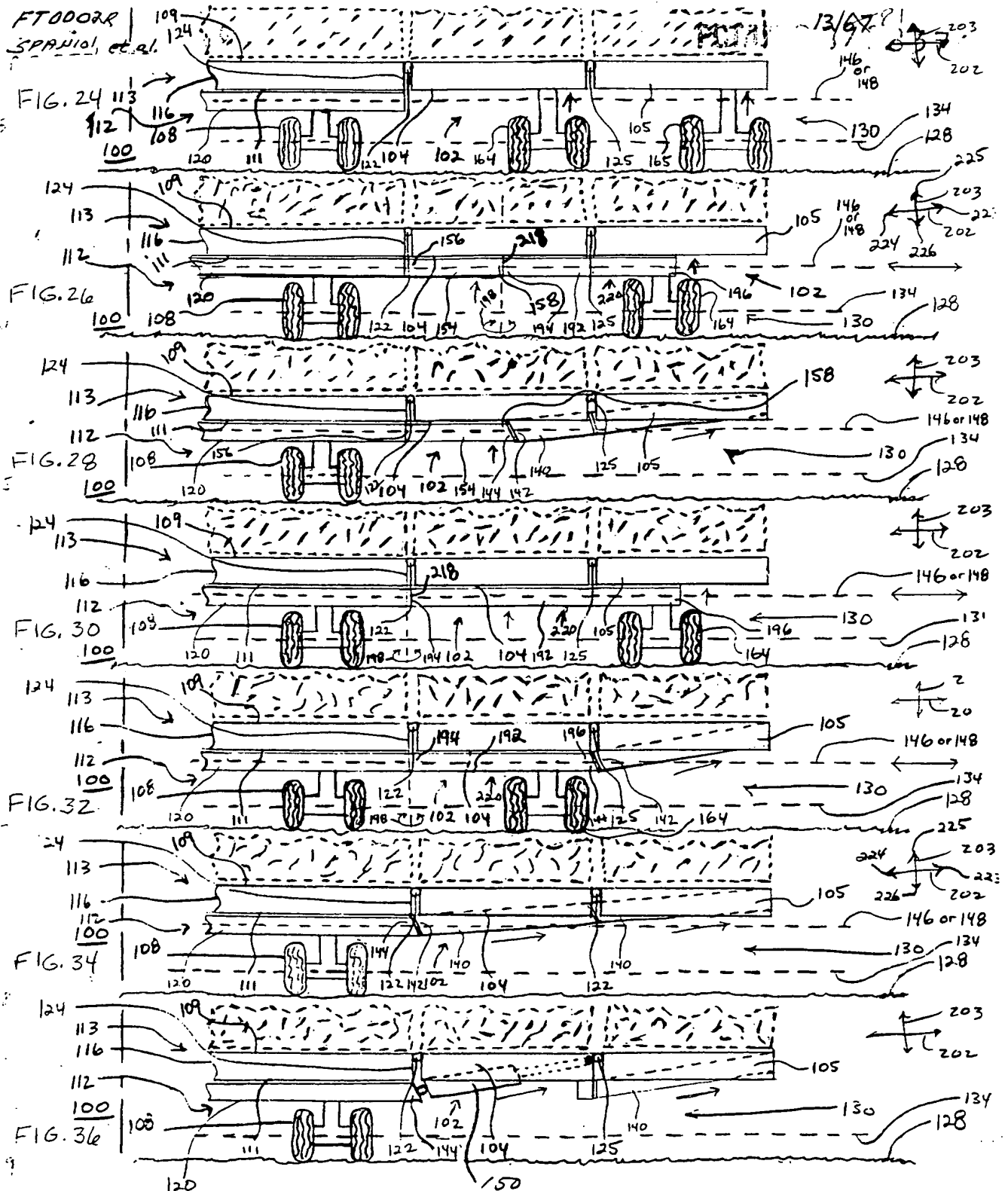
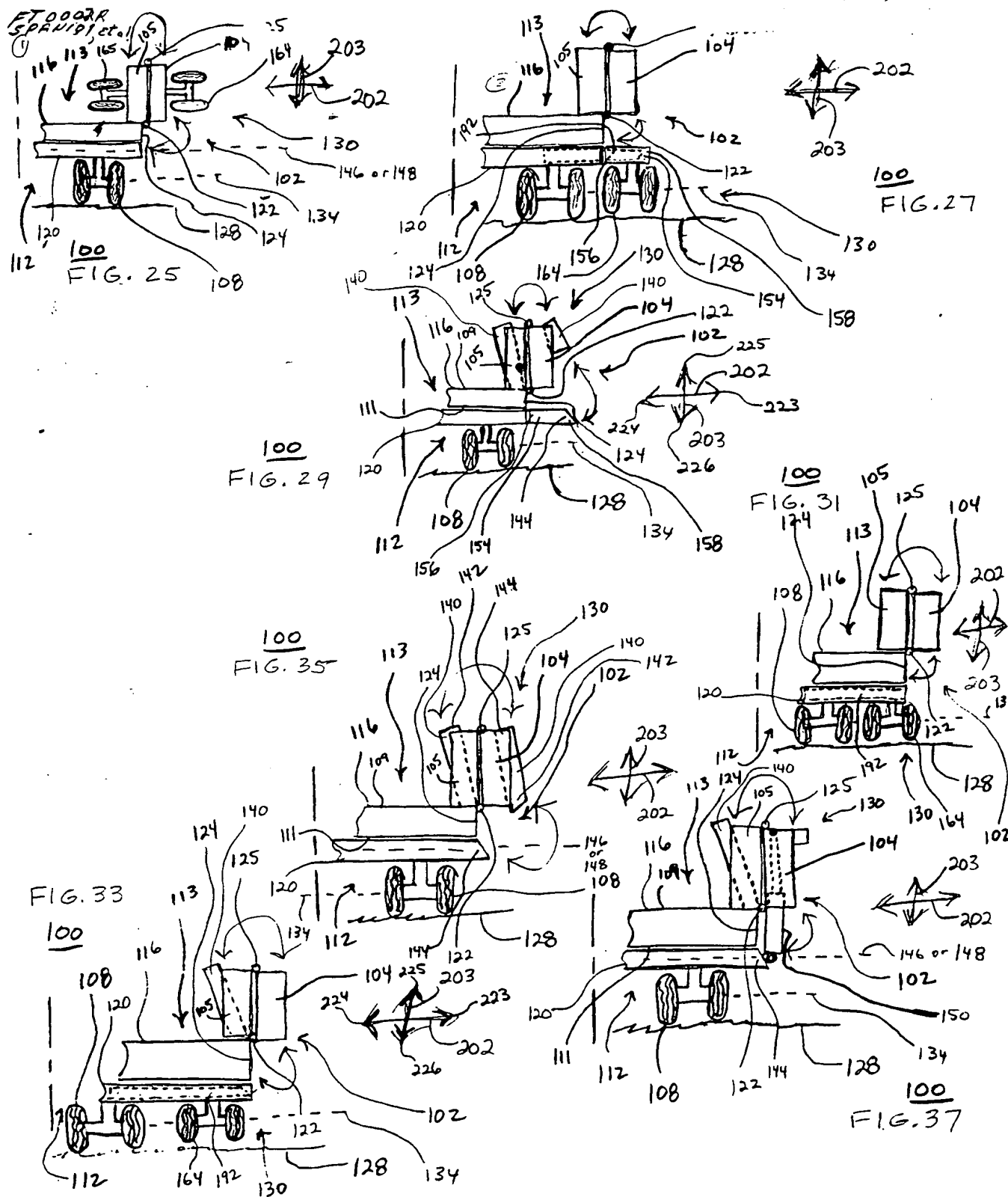


FIG. 23





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SPANIOI, et al.

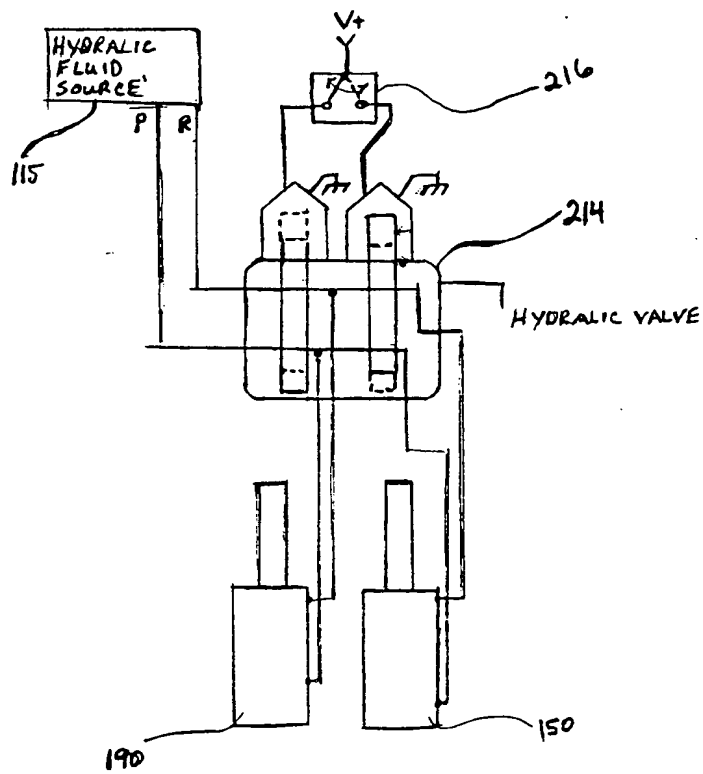


FIG. 41

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FIRST SUPPORT SYSTEM (130)	Connected to extension table			Connected to base module and extension table		Connected to Main Frame	
	NO SUPPORT	SUPPORT WHEEL (164)	FIRST FRAME EXTENSION MEMBER (ex: truss) (140)	SECOND FRAME EXTENSION MEMBER (ex: cylinder) (150)	THIRD FRAME EXTENSION MEMBER (ex: fixed frame) (154)	FOURTH FRAME EXTENSION MEMBER (ex: moveable frame) (192)	
SECOND SUPPORT SYSTEM (130b)							
NO SUPPORT	1	2	3	4	5	6	
Connected to extension table SUPPORT WHEEL (164)	7	8	9	10	11	12	
	13	14	15	16	17	18	
Connected to base module and extension table SECOND FRAME EXTENSION MEMBER (ex: cylinder) (150)	19	20	21	22	23	24	
Connected to Main Frame THIRD FRAME EXTENSION MEMBER (ex: fixed frame) (154)	25	26	27	28	29	30	
	31	32	33	34	35	36	
FOURTH FRAME EXTENSION MEMBER (ex: moveable frame) (192)							

FIG. 42

Start 230 FIG. 43 232

Receive a plurality of bales on a bale receiving portion of a substantially planar load bed along a bale receiving axis, wherein the bale receiving portion is disposed within a perimeter of the load bed, wherein the bale receiving axis is disposed substantially parallel to a longitudinal axis of the load bed, and wherein the bales are received in a bale receiving direction essentially opposite to an accumulator traveling direction. 232

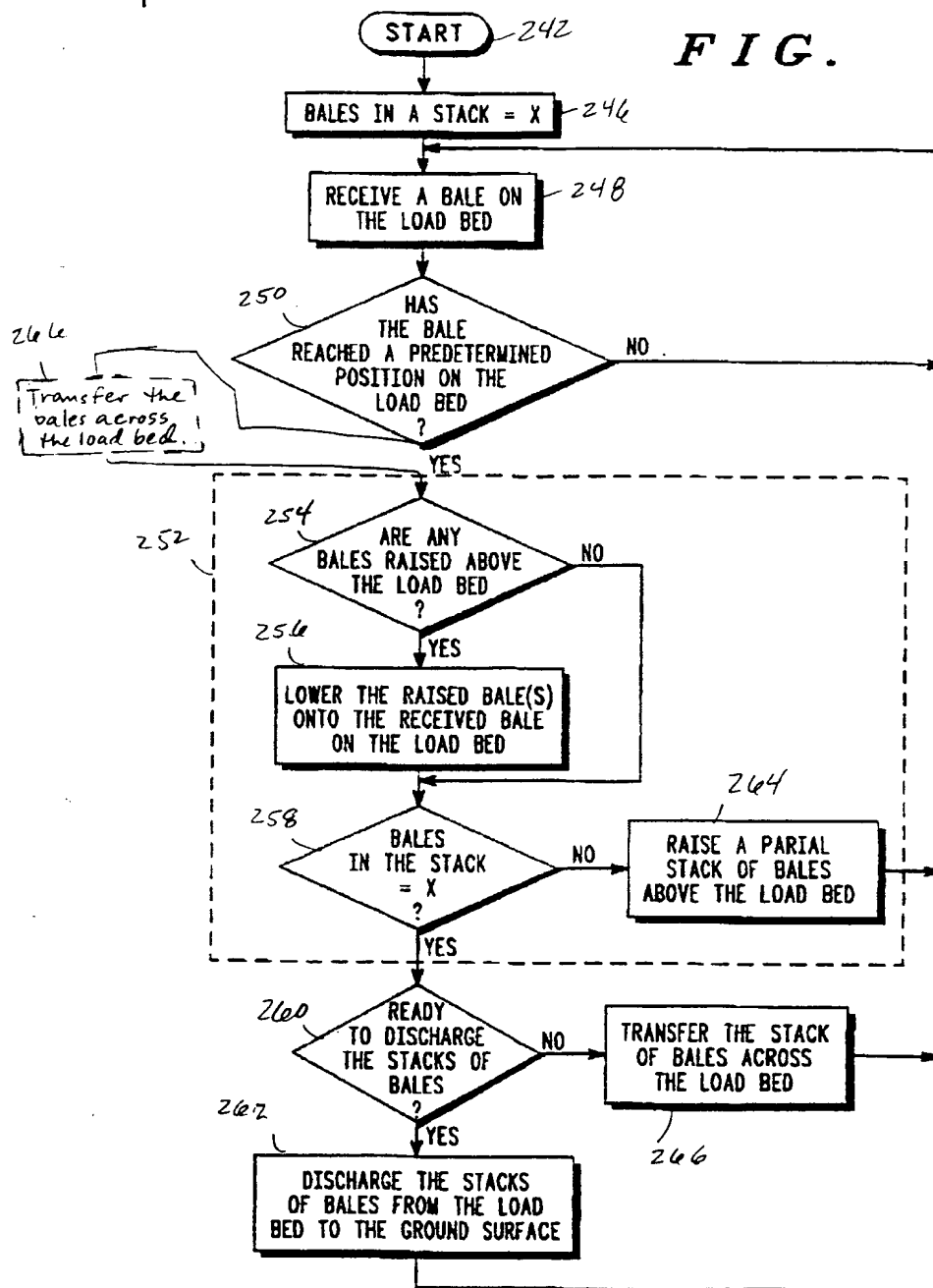
Form a stack of bales on the load bed (preferably, on the bale receiving portion) along a bale stacking axis disposed vertically transverse to the bale receiving axis, wherein the stack of bales includes at least a first bale and a second bale in direct contact with each other along the vertical axis. 234

Transfer the plurality of bales (preferably, the stack of bales) across the load bed along a bale transferring axis disposed horizontally transverse to the bale receiving axis and the bale stacking axis and disposed substantially parallel to a lateral axis of the load bed to accumulate a plurality of stacks of bales on the load bed. 236

240 End Discharge the plurality of bales (preferably, the plurality of the stacks of bales) accumulated on the load bed (preferably, including the bale receiving portion) from the load bed to a ground surface along a bale discharge axis, substantially parallel to the longitudinal axis, and in a bale discharge direction, essentially opposite to the accumulator traveling direction. 238

FIG.

44



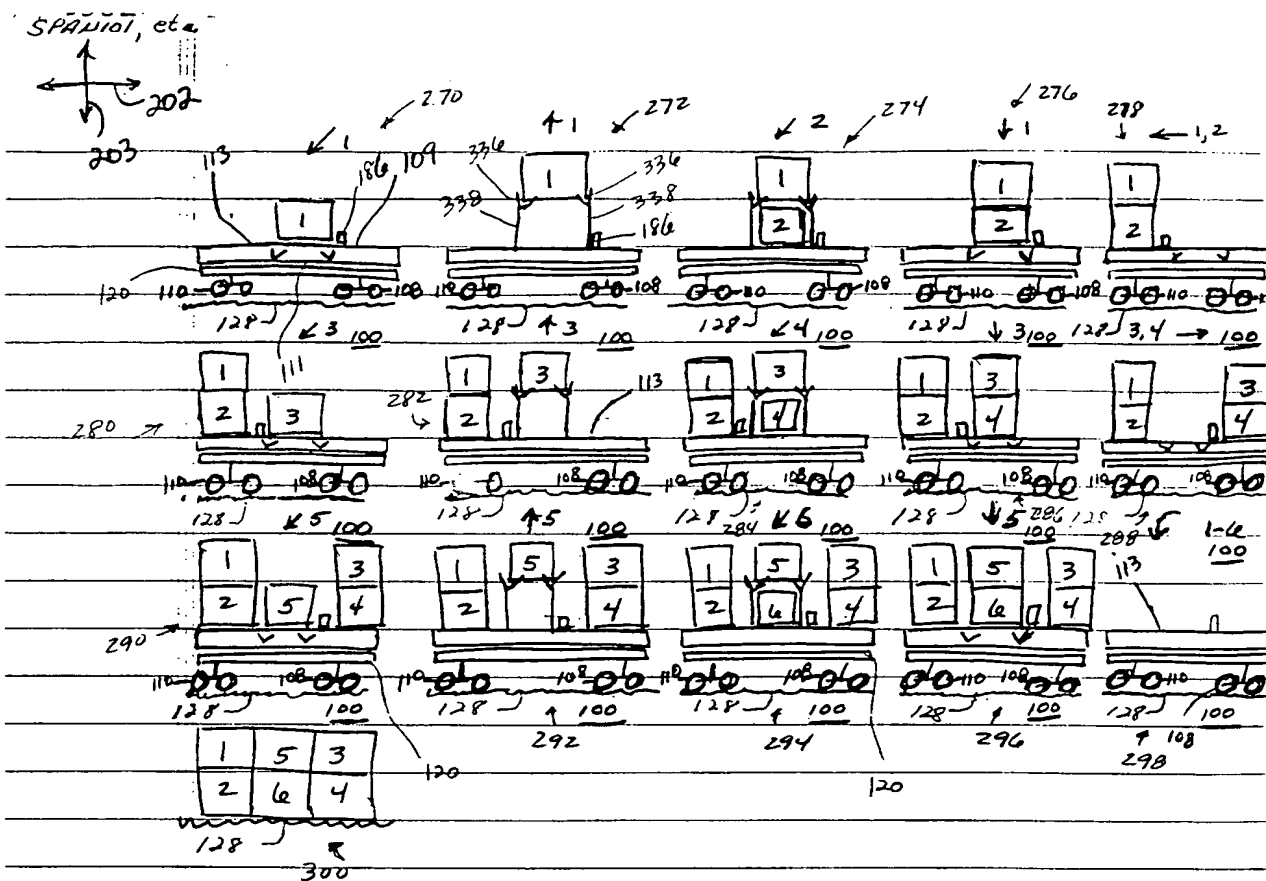


FIG. 45

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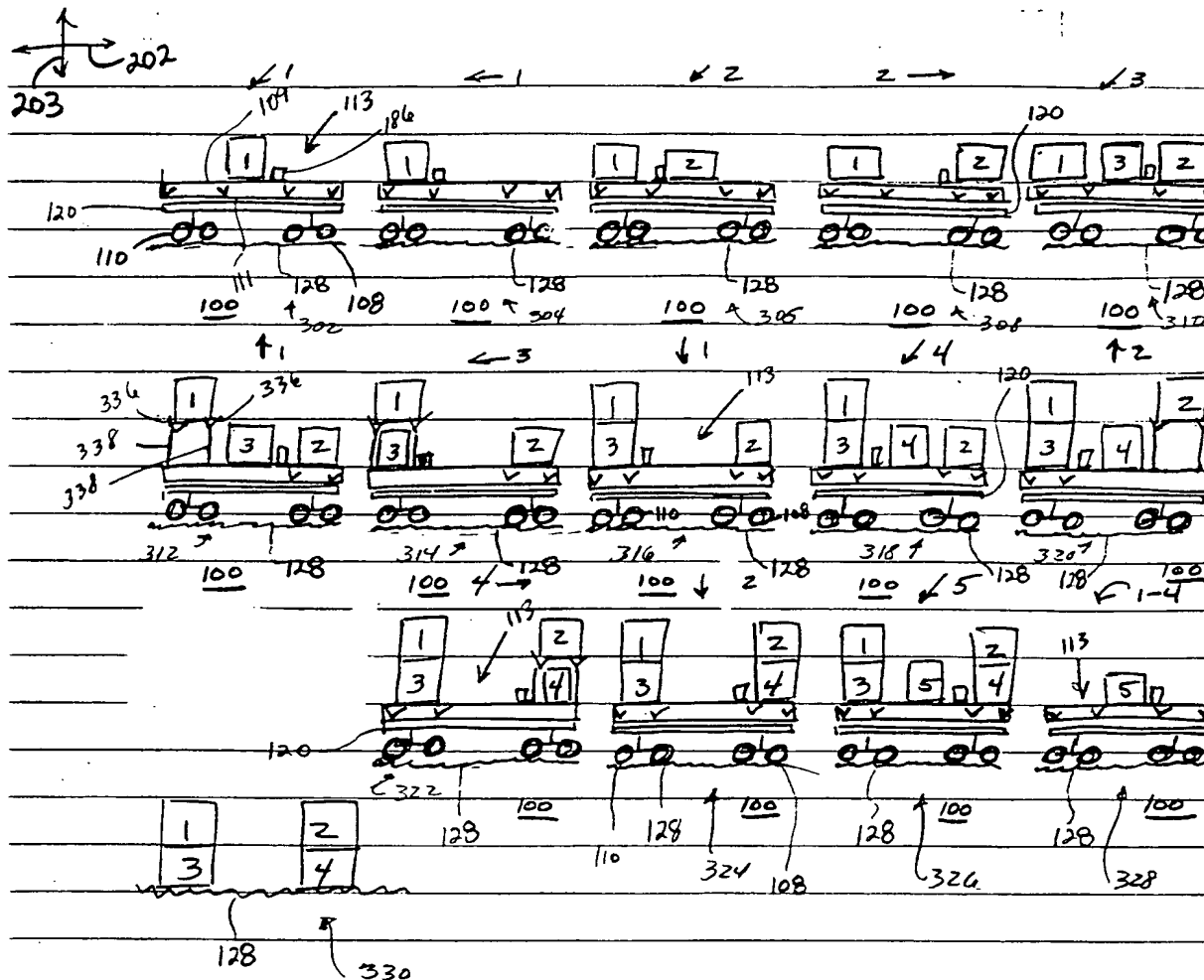


FIG. 4/6

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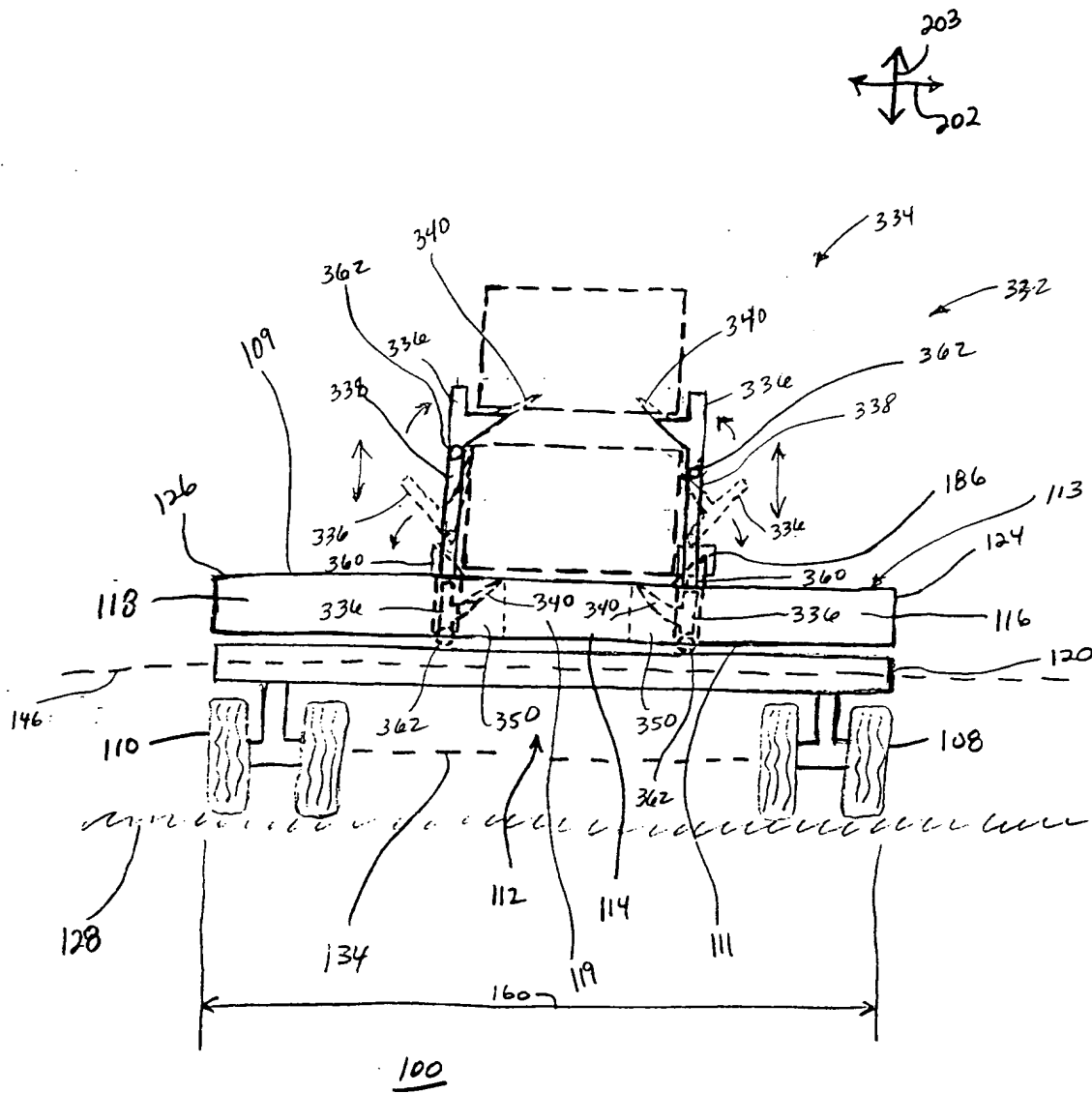


FIG. 49

FIG. 50

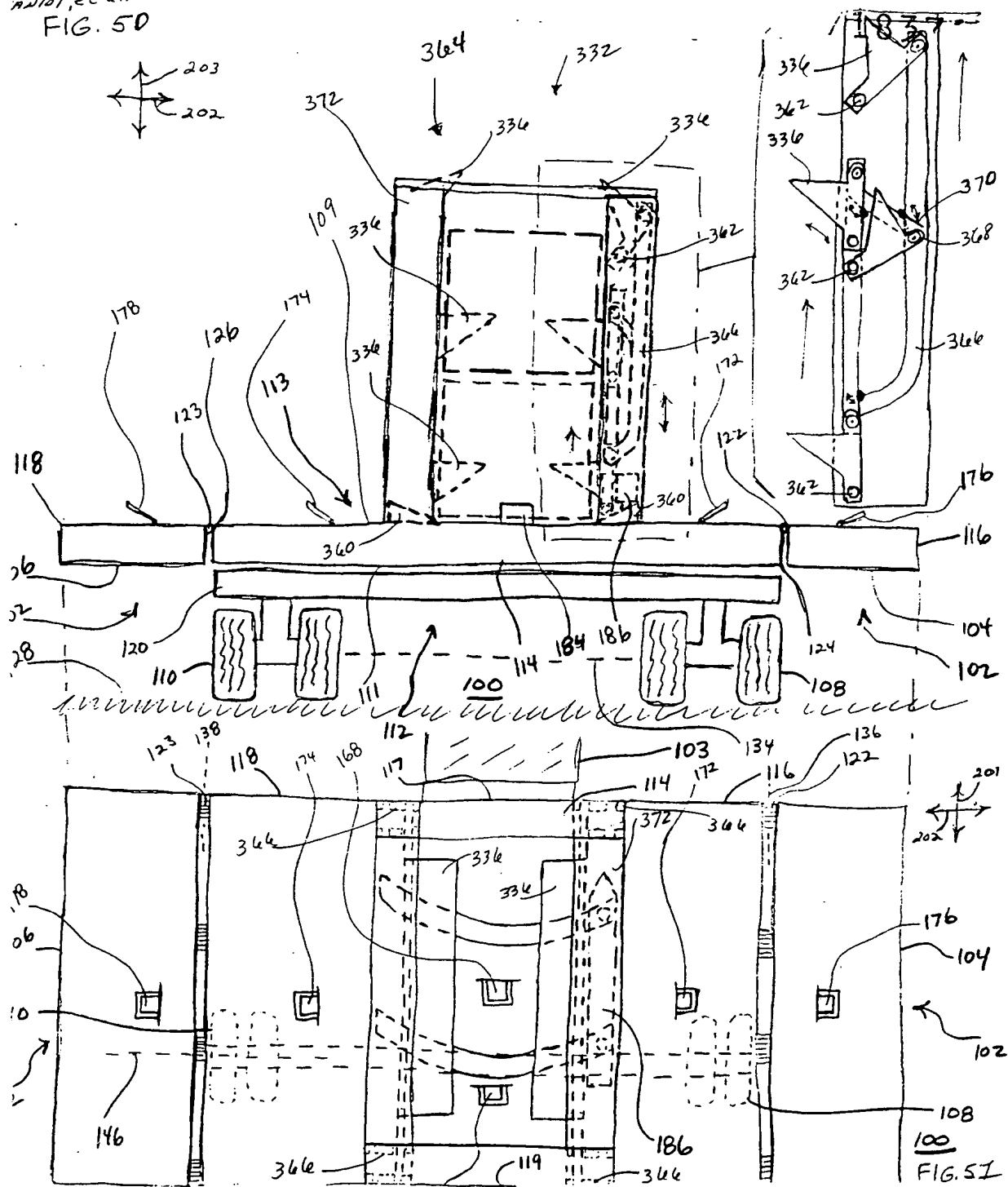
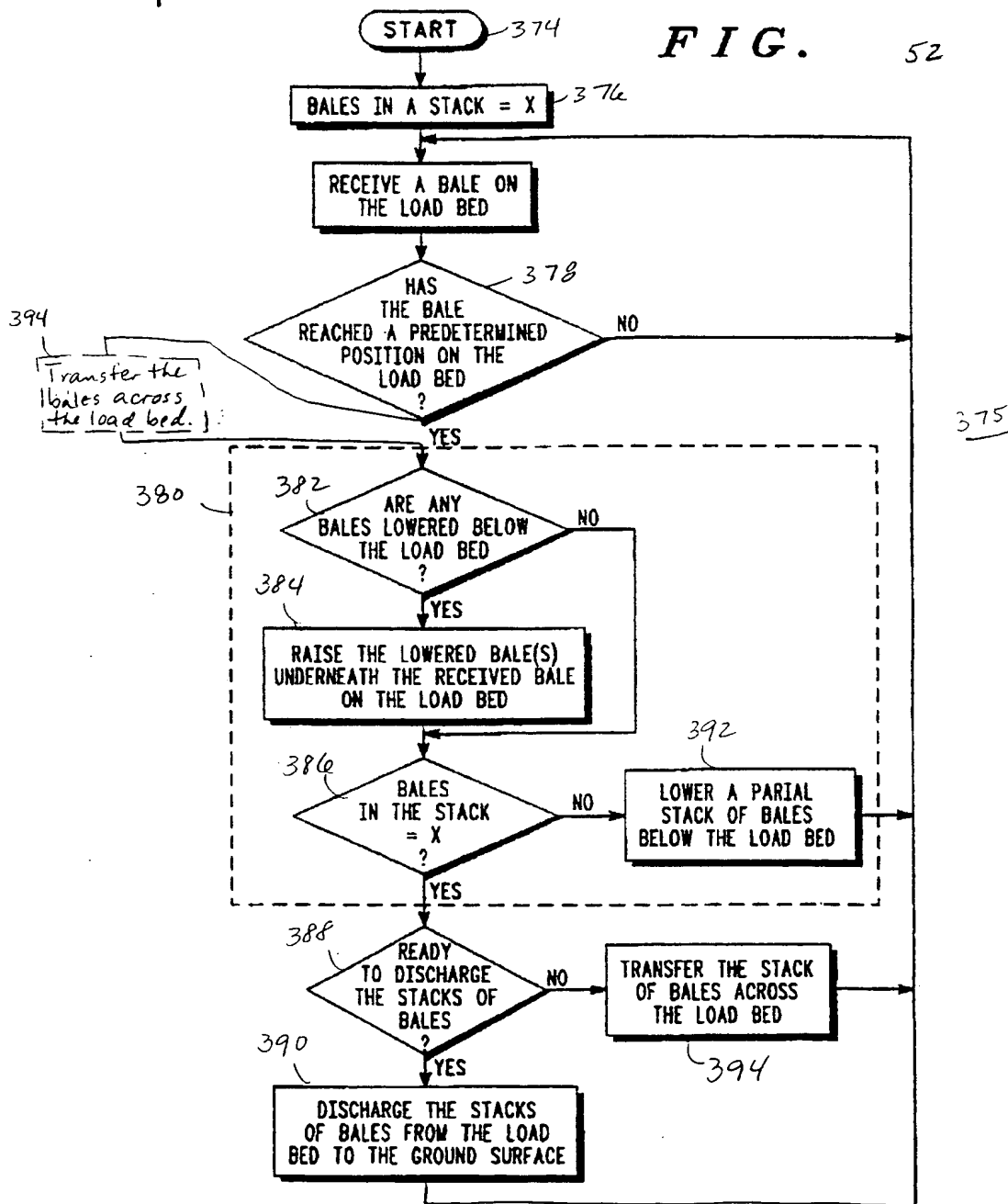
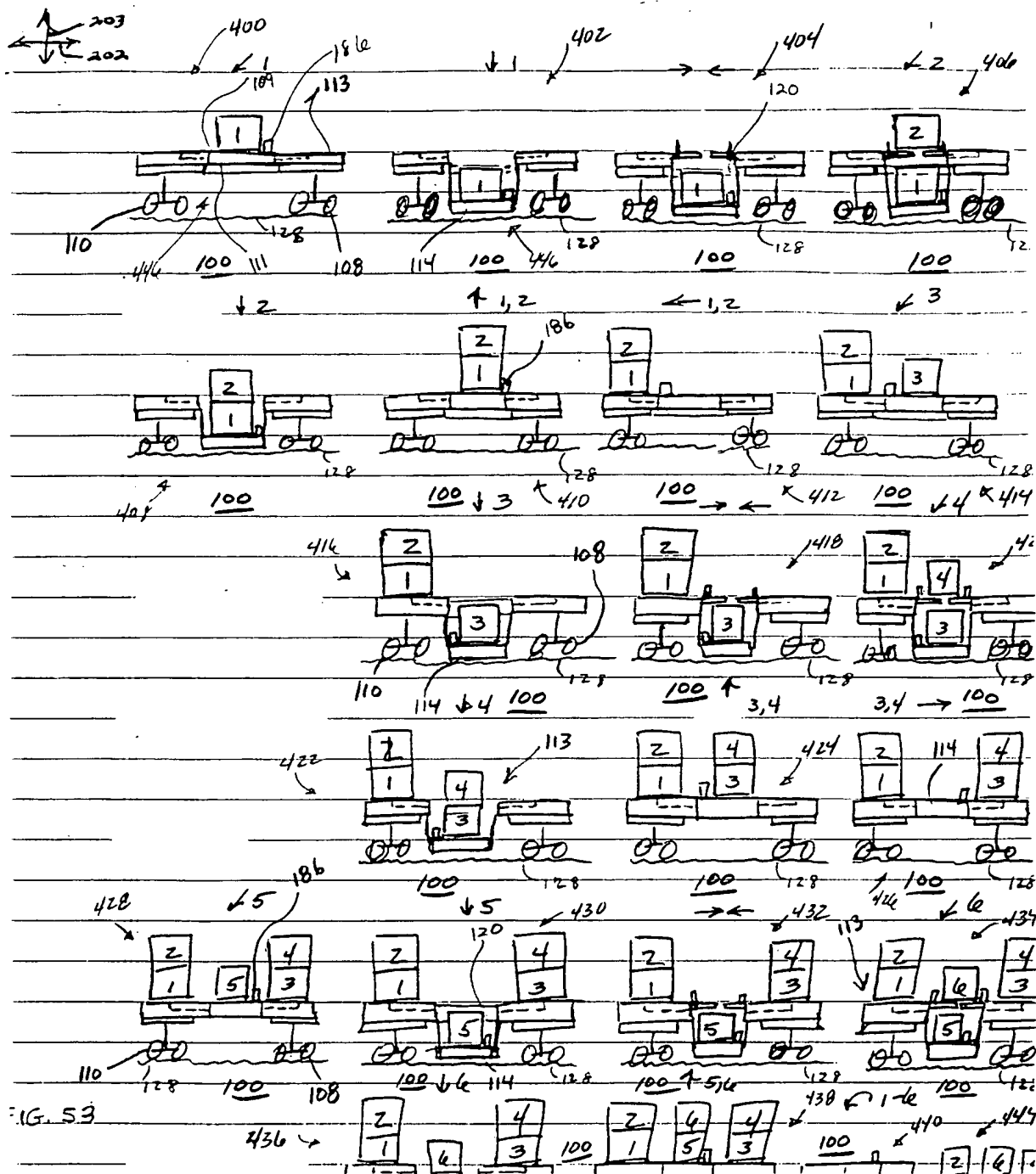
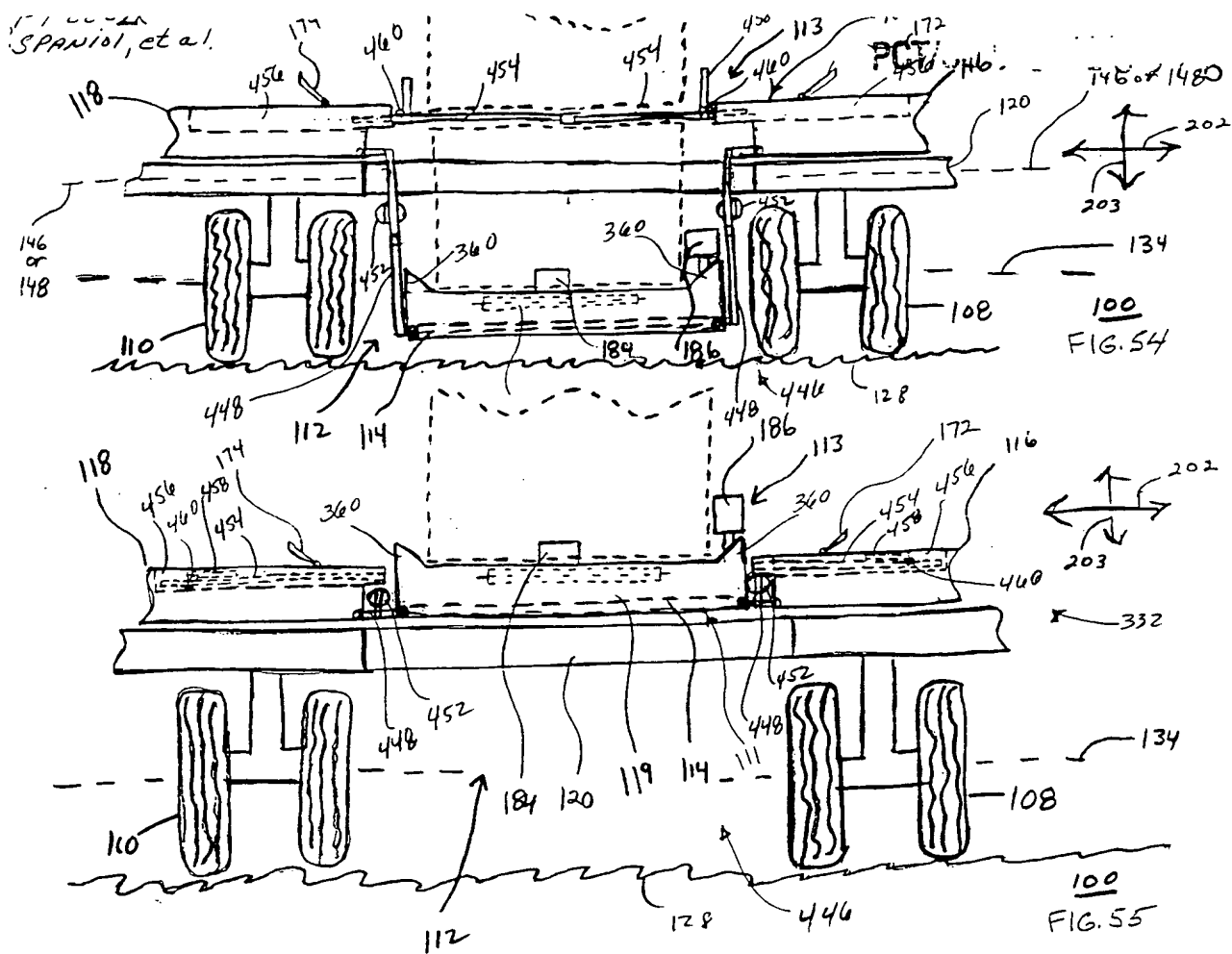


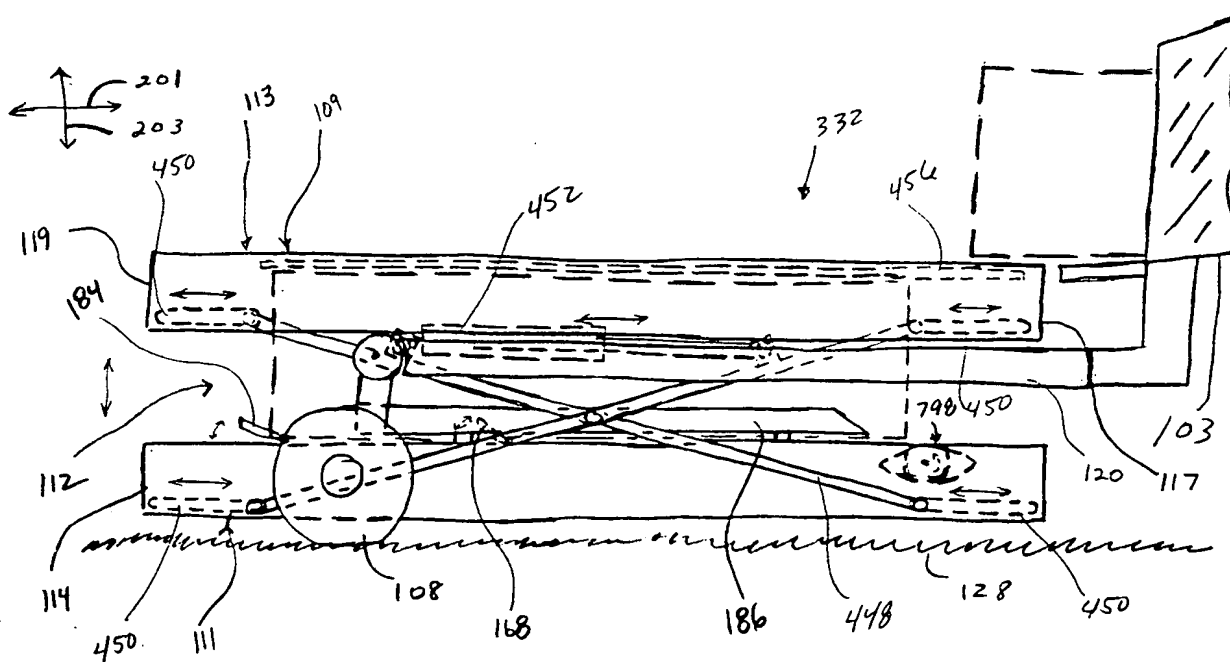
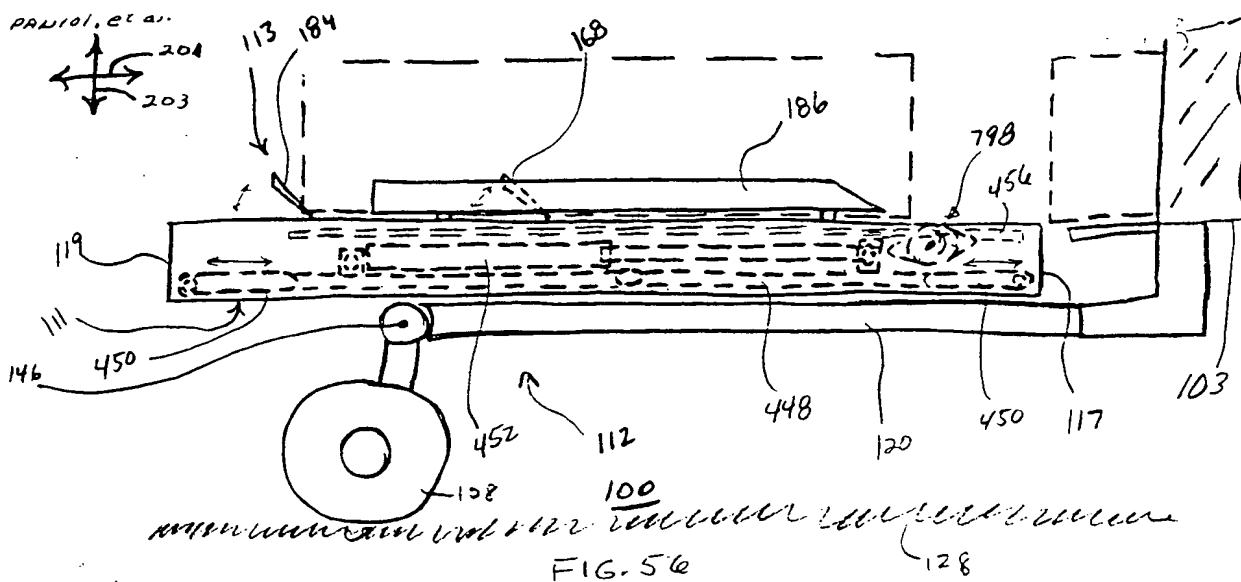
FIG. 52

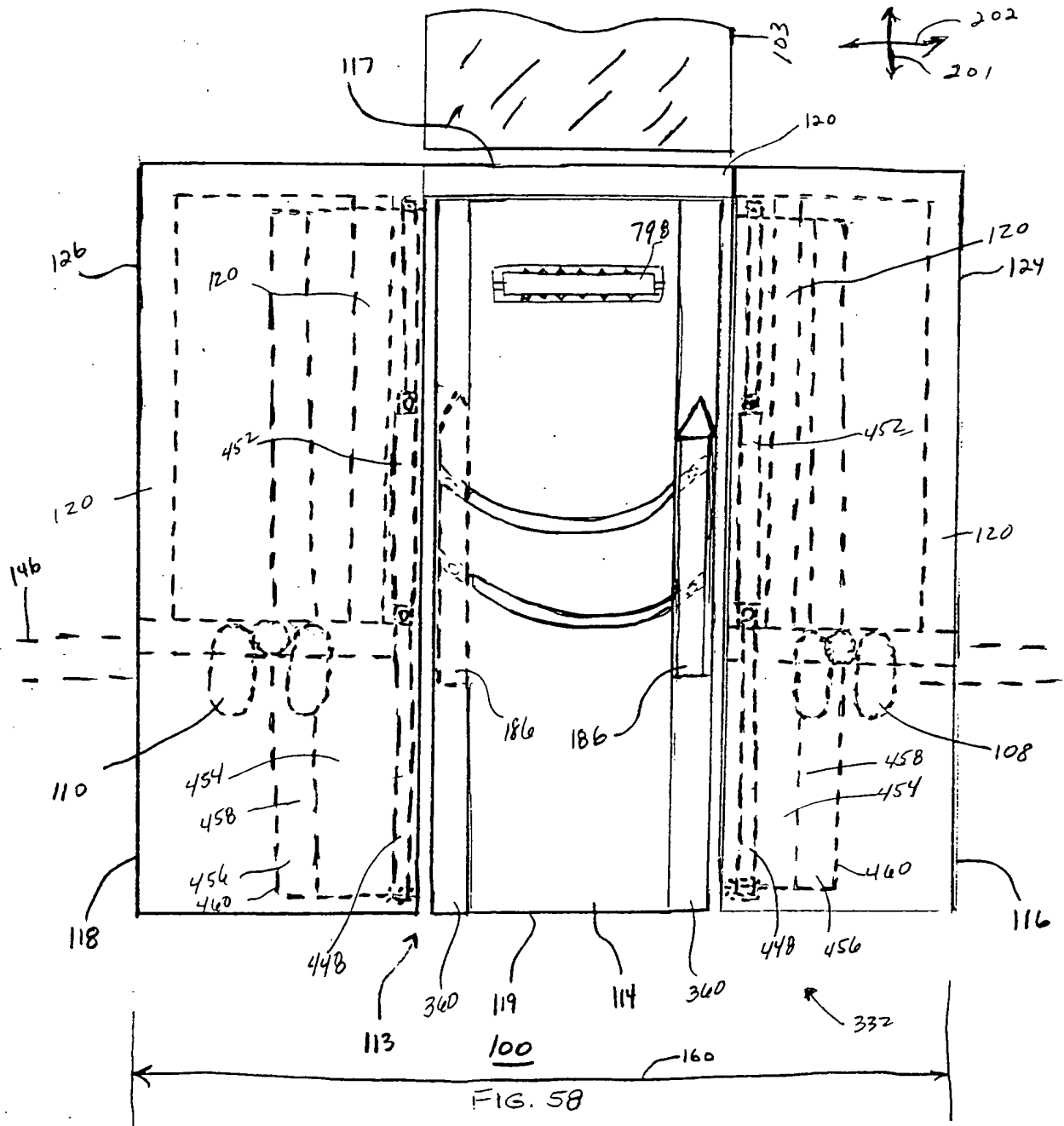


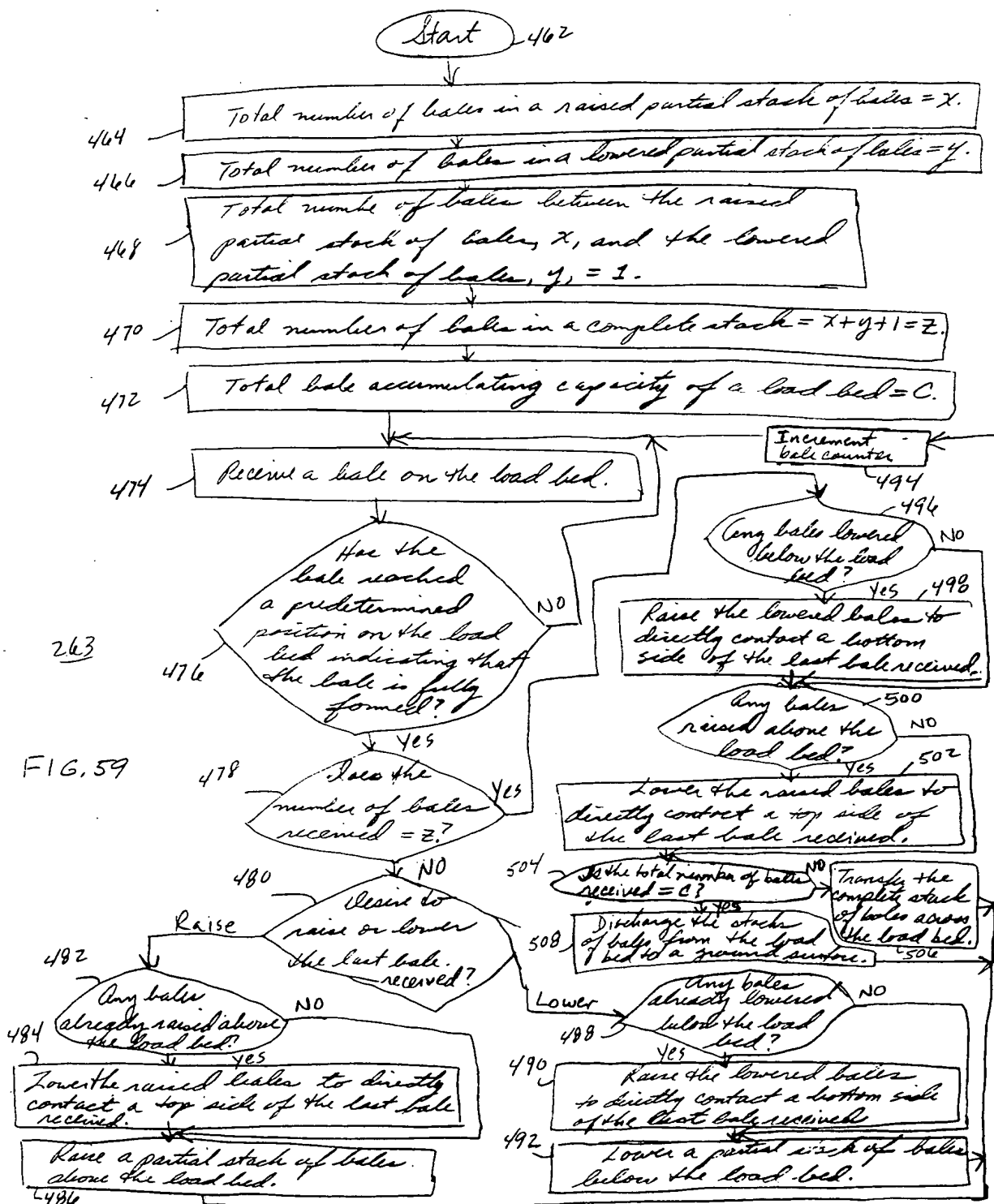
1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

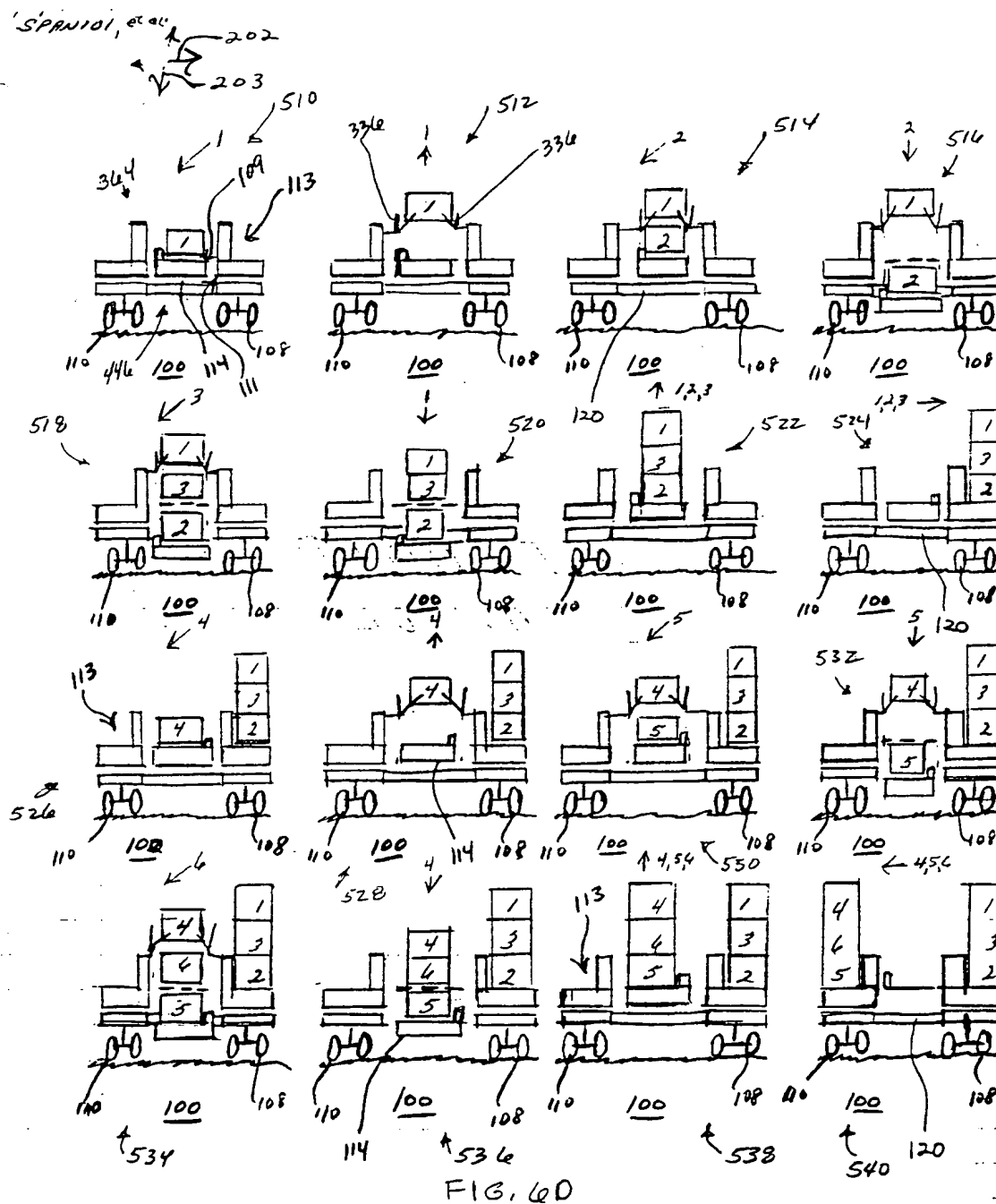












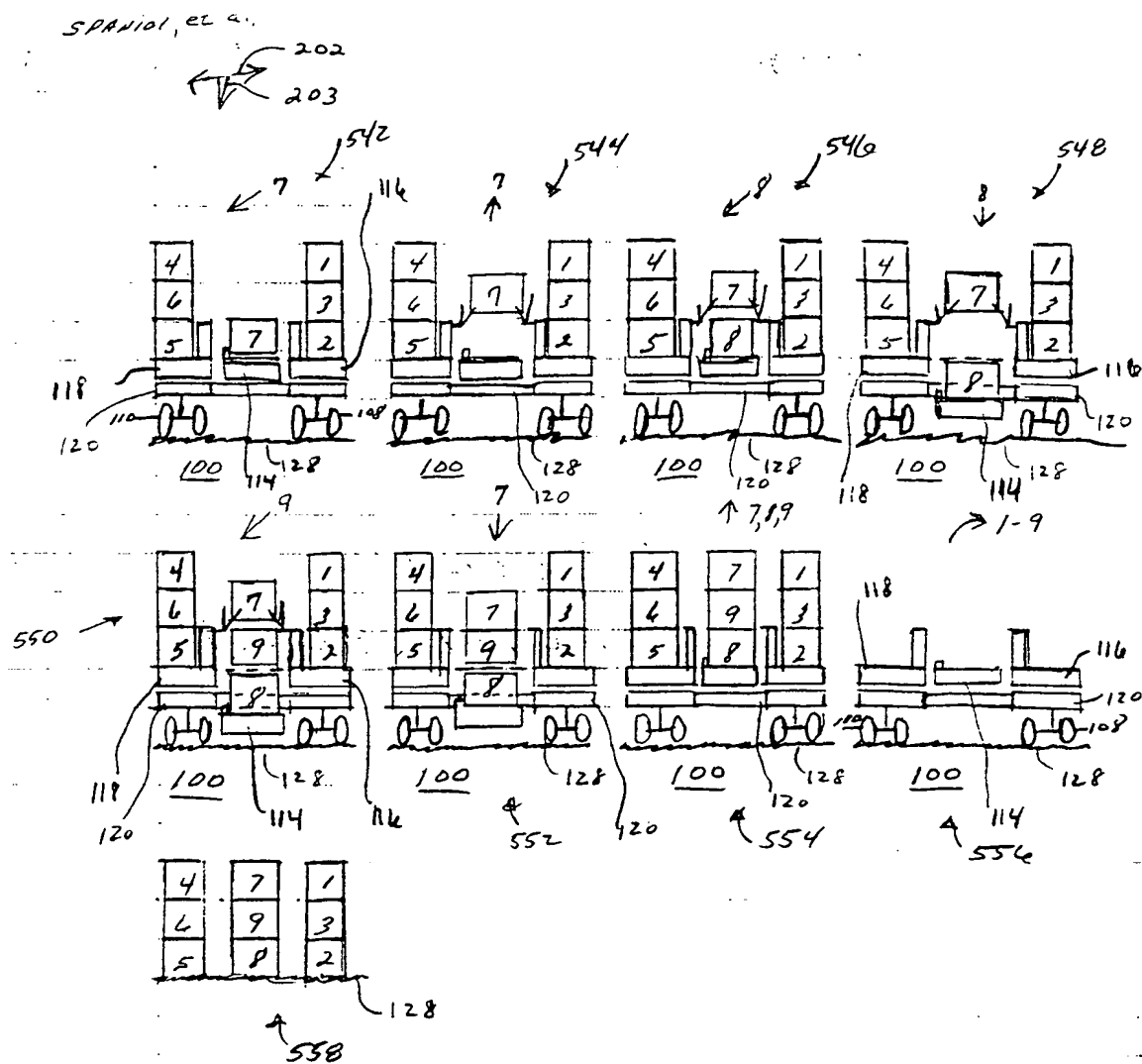
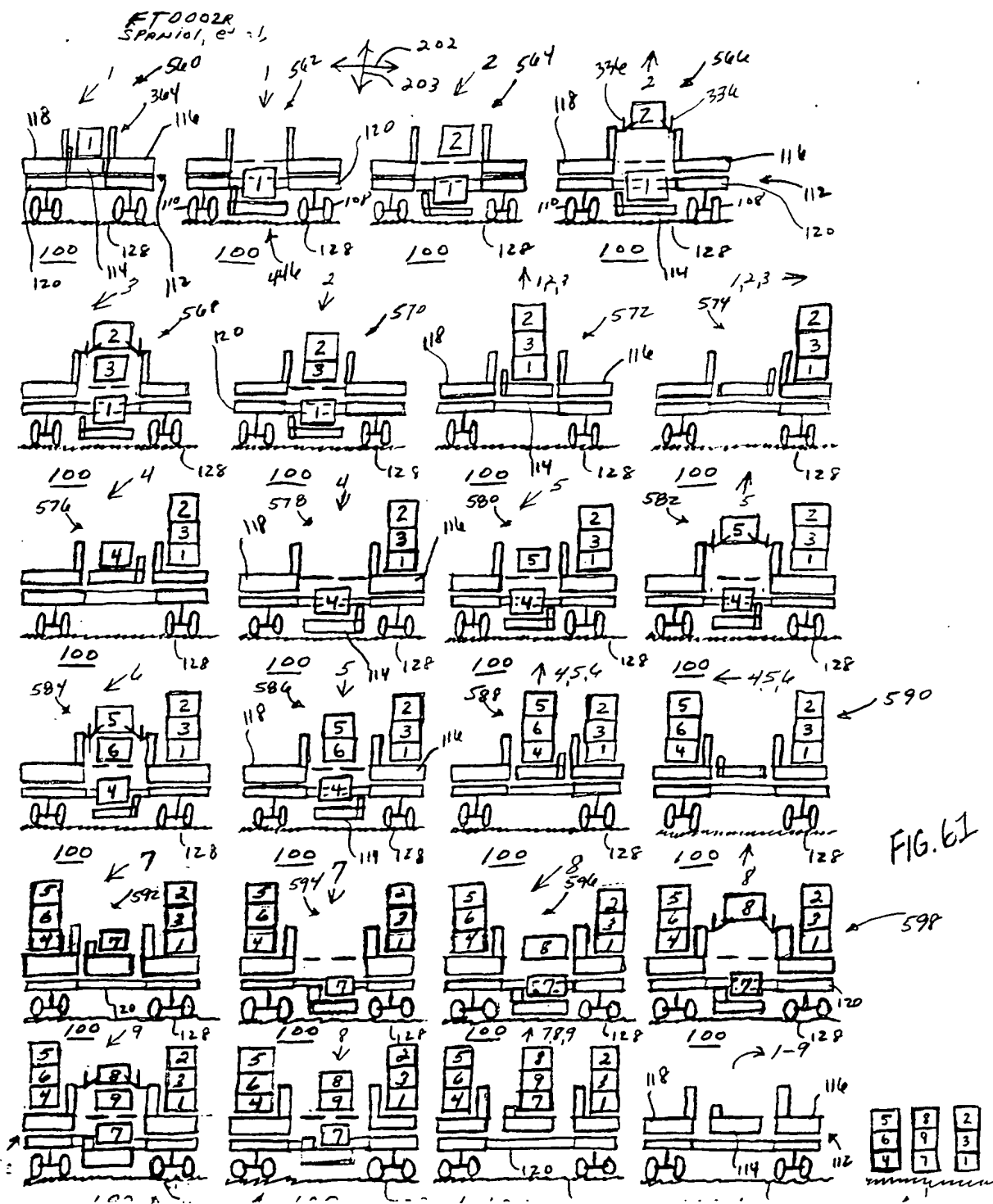
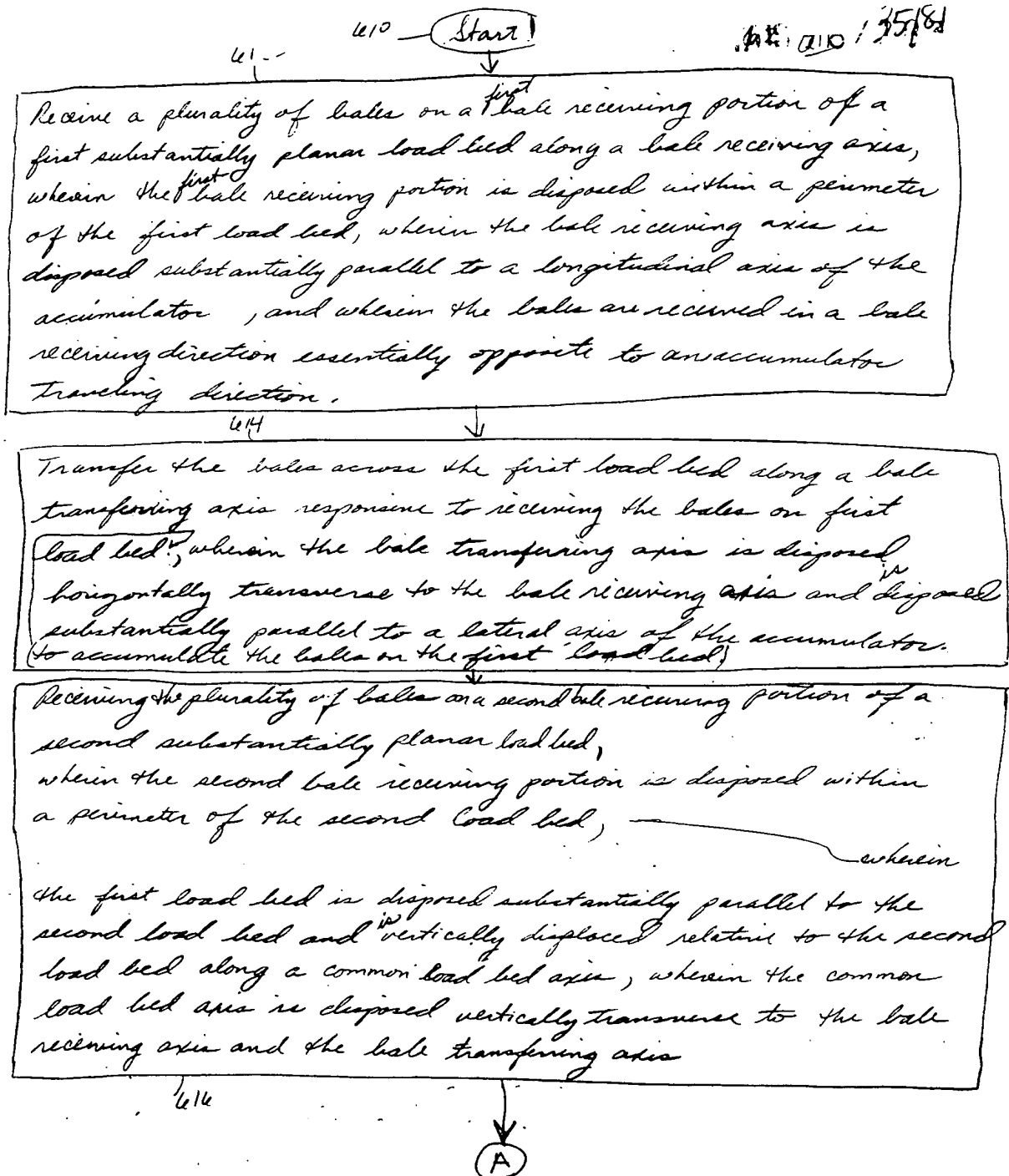


FIG. 60 (cont.)





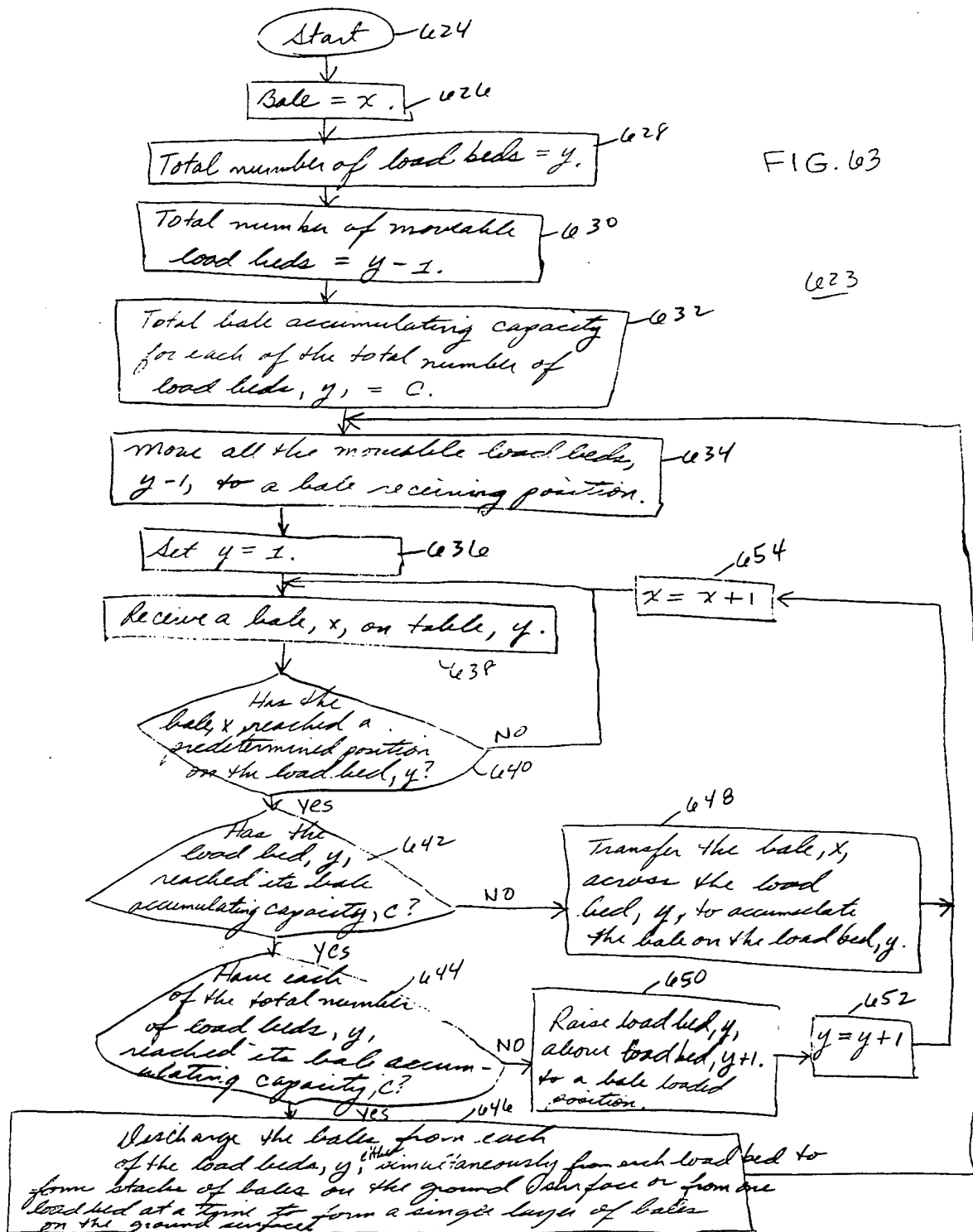
Transfer the bales across the second load bed along the bale transferring axis responsive to receiving the bales on the second load bed to accumulate the bales on the second load bed.

Discharge the bales accumulated on the first load bed and the bales accumulated on the second load bed from the first load bed and the second load bed, respectively to a ground surface along a bale discharging axis, substantially parallel to the longitudinal axis, and in a bale discharging direction, essentially opposite to the accumulator traveling direction, wherein the bales are discharged from the first load bed and the second load bed either simultaneously to form stacks of bales on the ground surface or from one of the first load bed and the second load bed at a time to form a single layer of bales on the ground surface.

End.

FIG. 62 (cont.)

FIG. 63



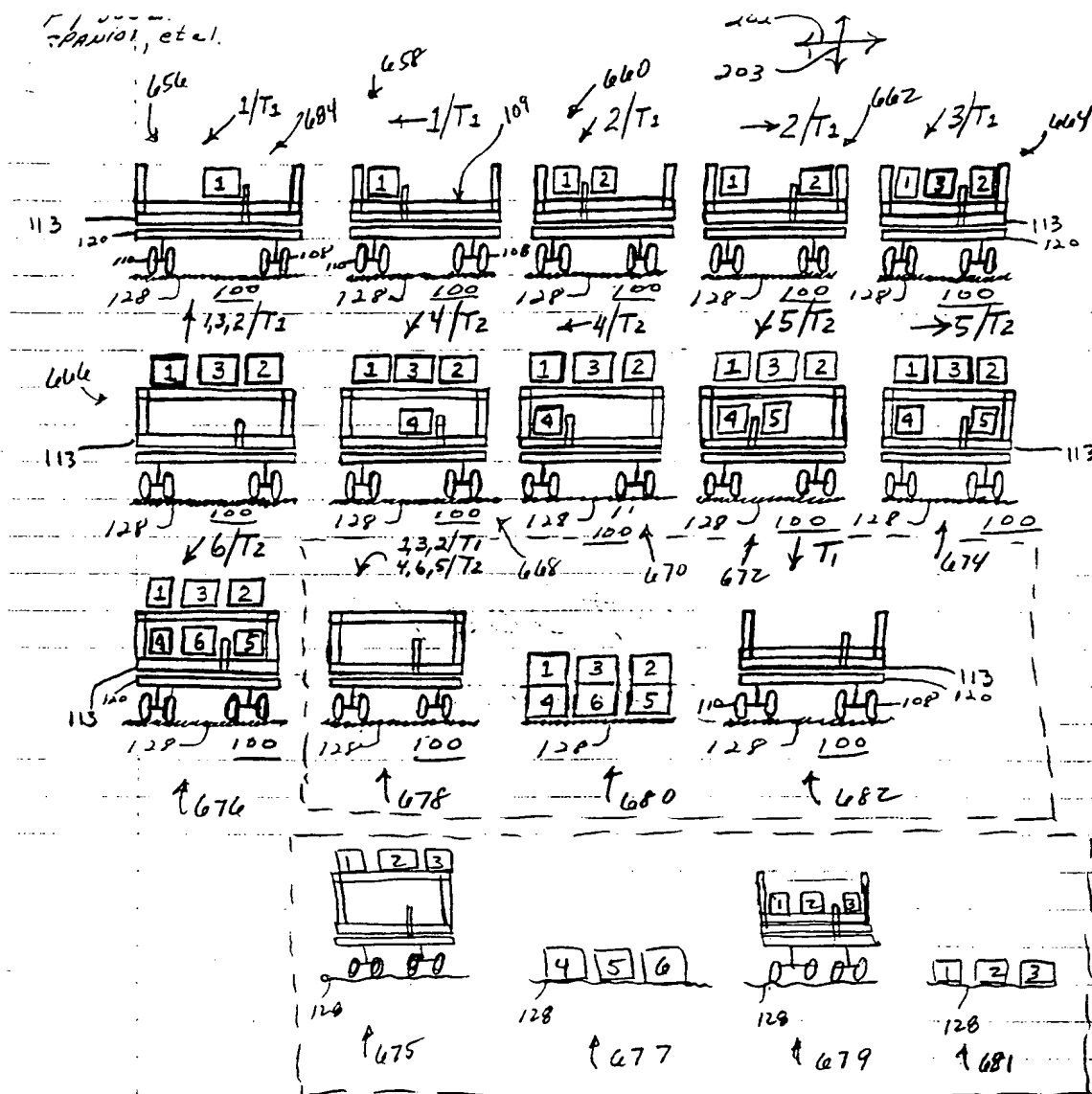


FIG. 64

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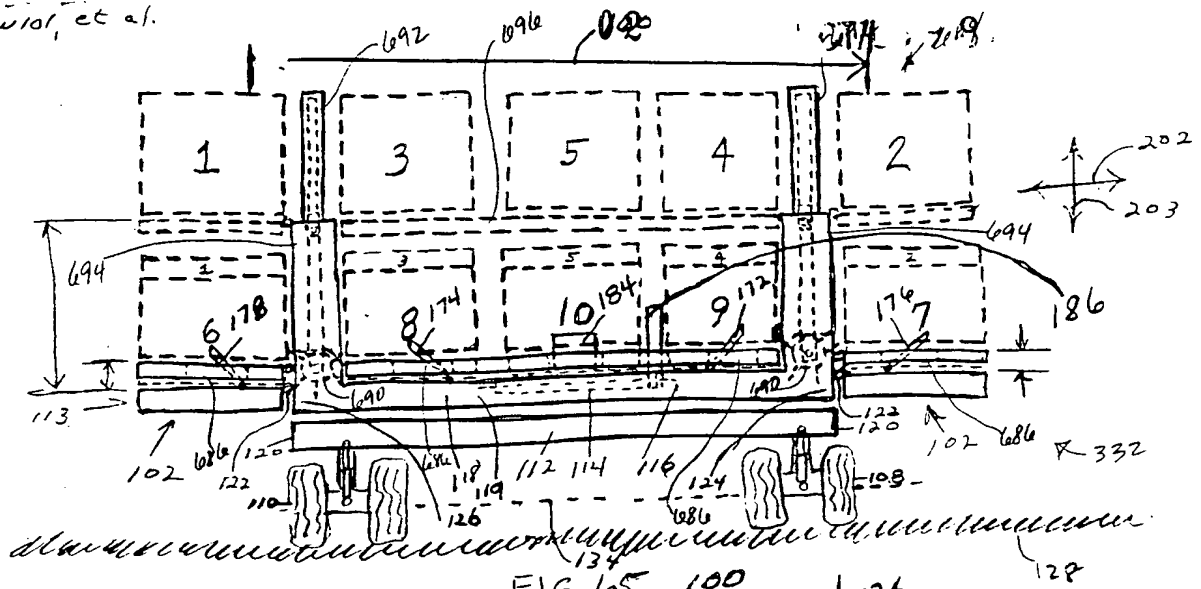


FIG. 65 100

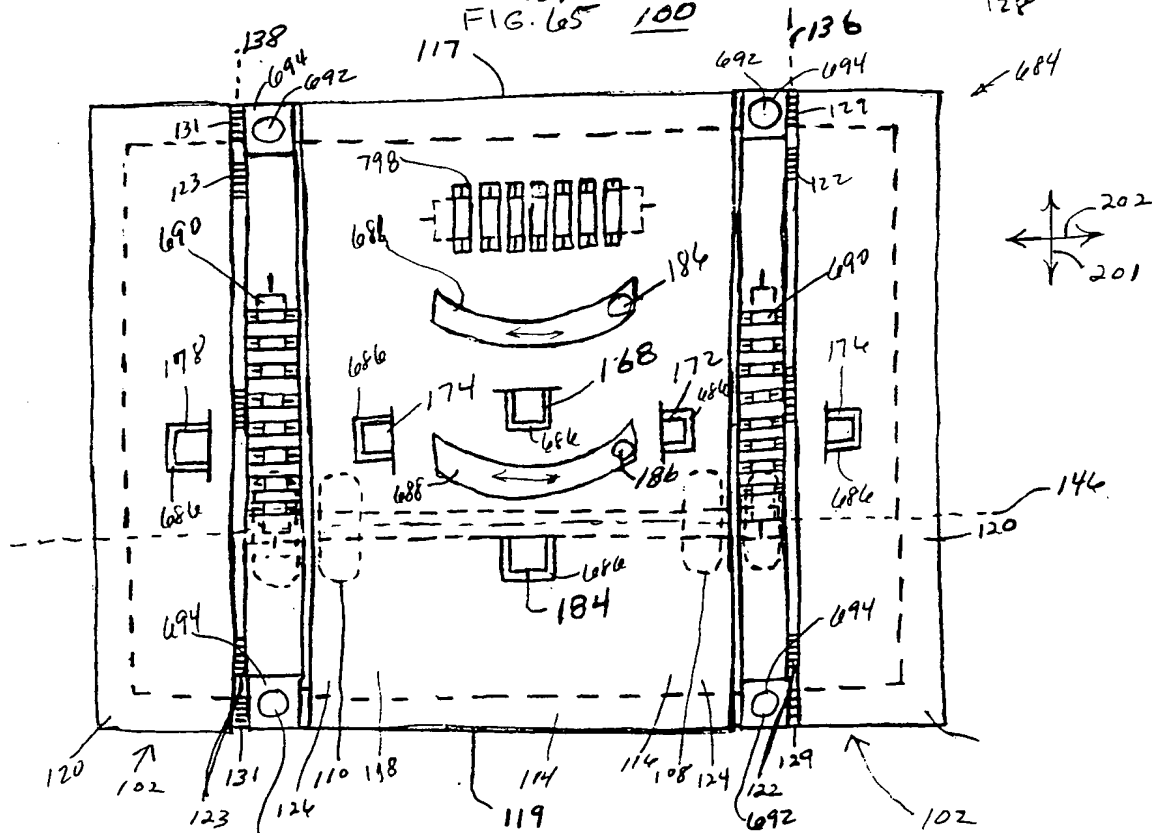
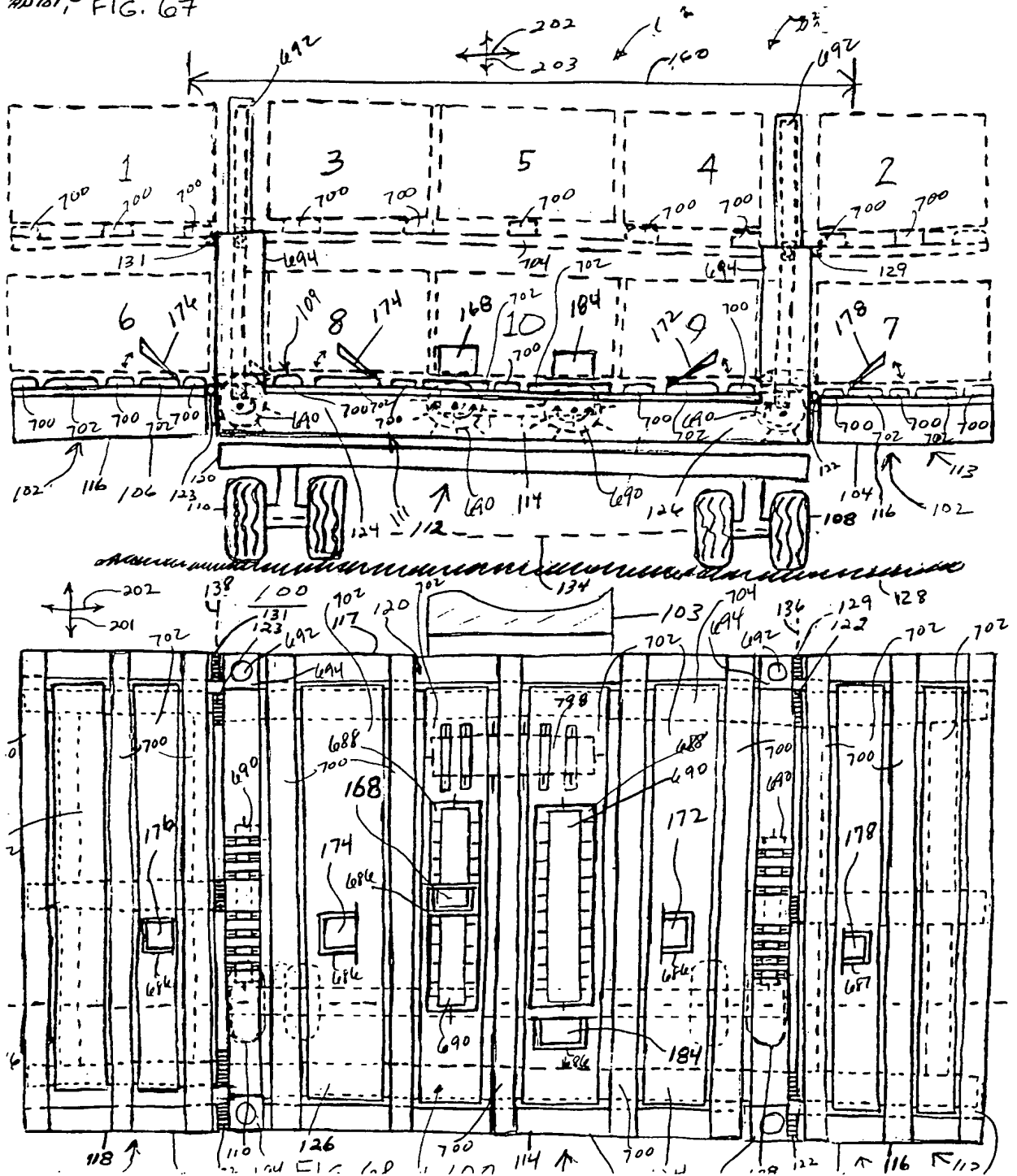
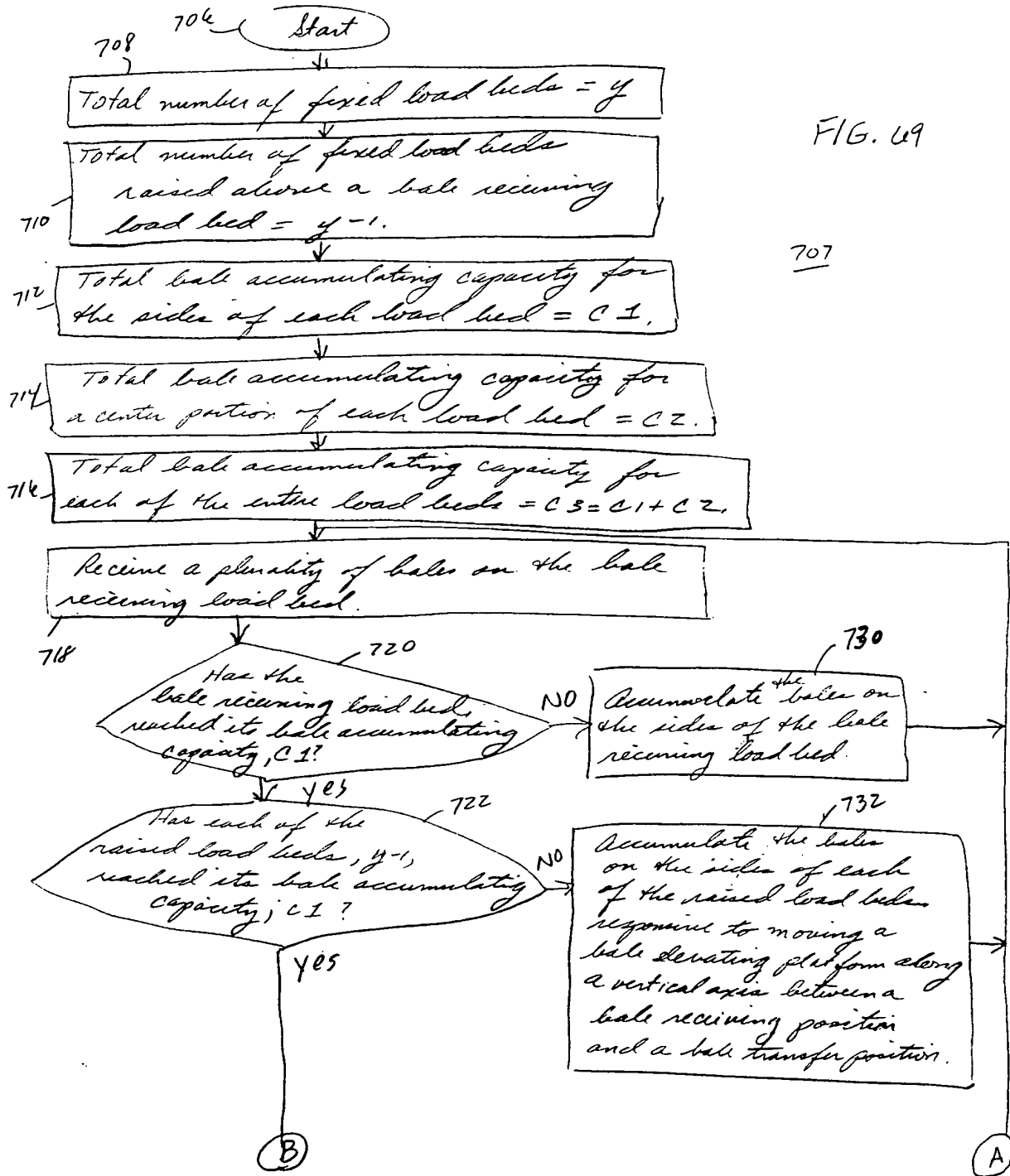


FIG. 66 100

FIG. 67





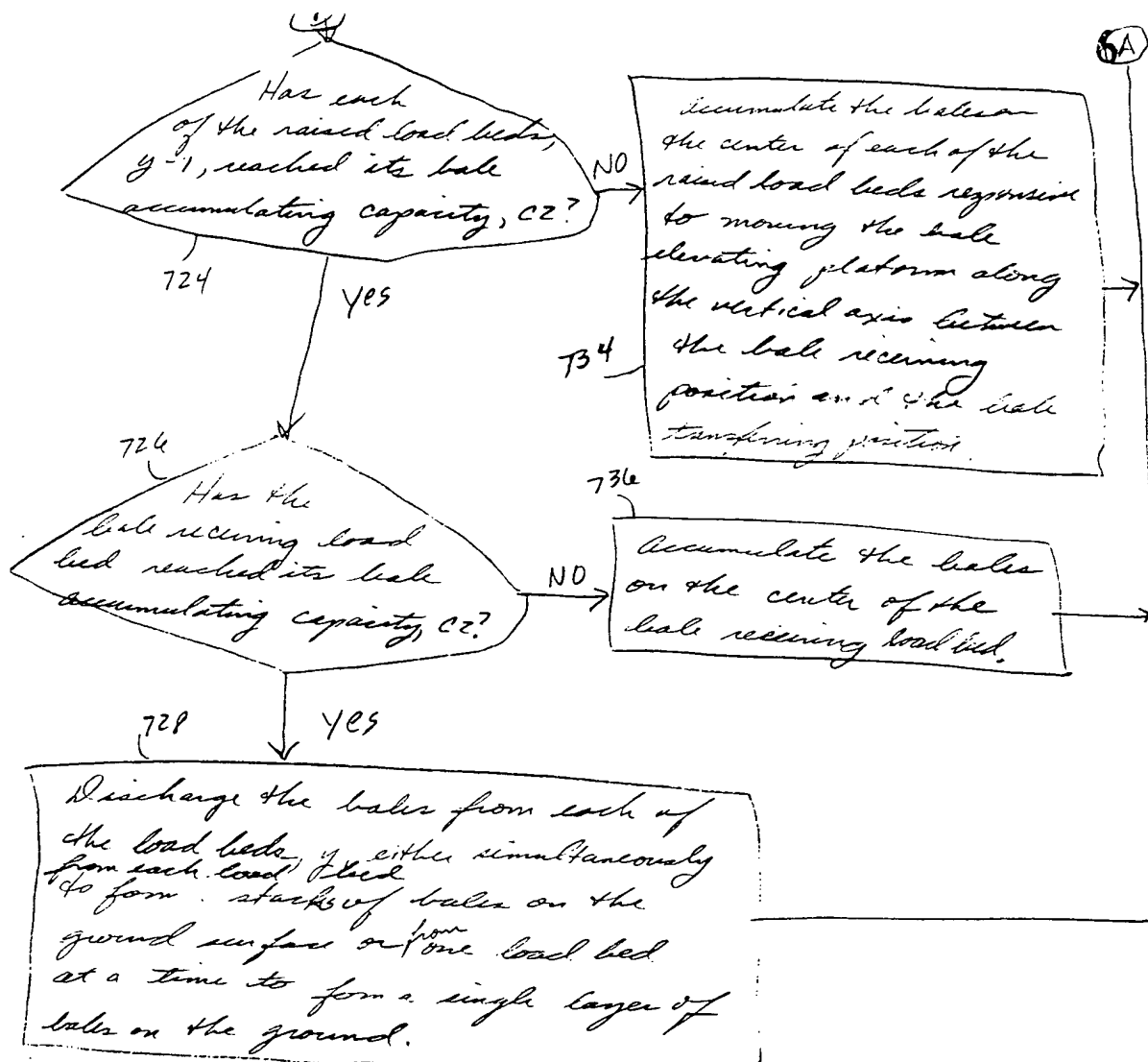


FIG. 49 (cont.)

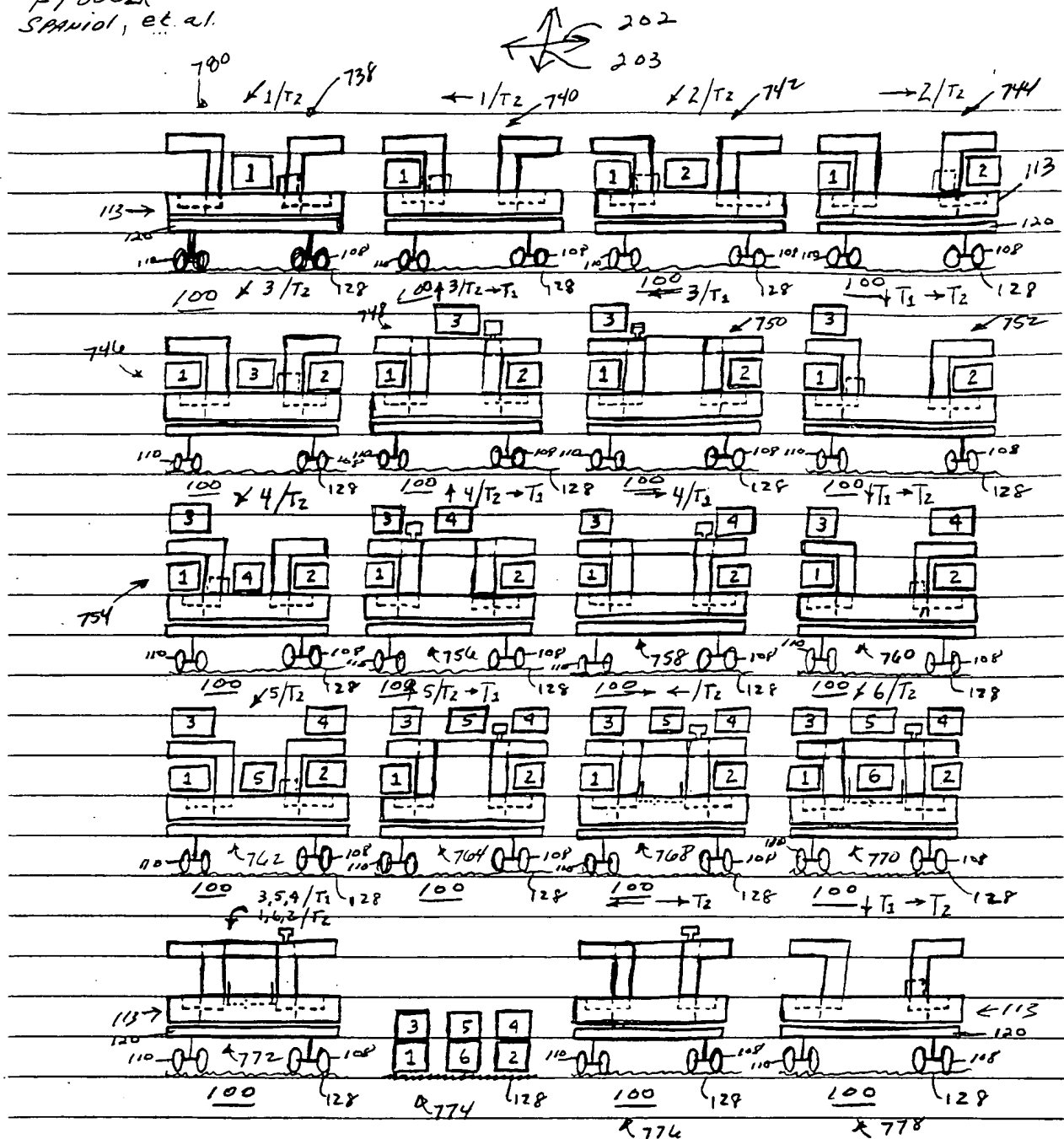
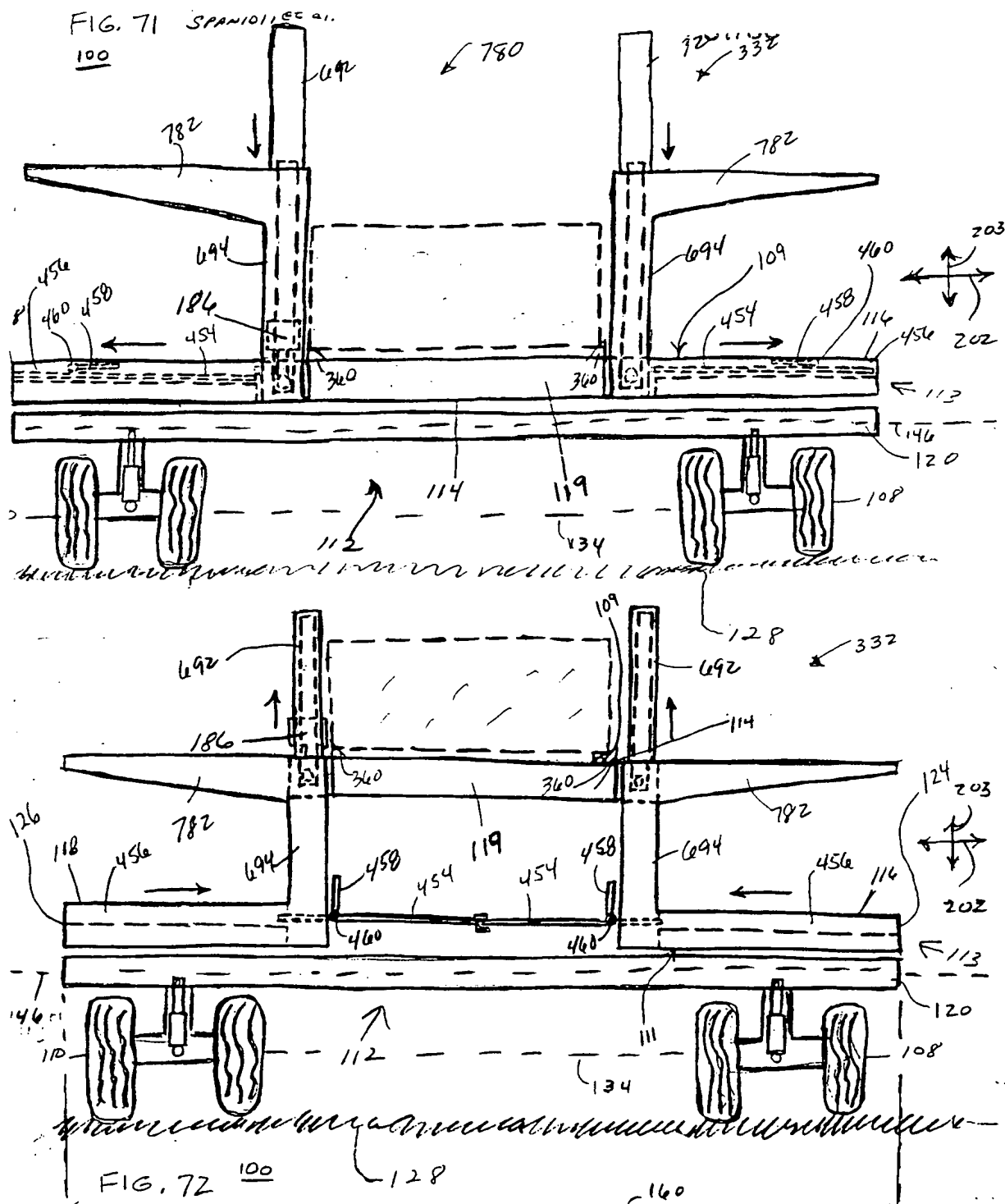
F. J. O'NEILL
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FIG. 70



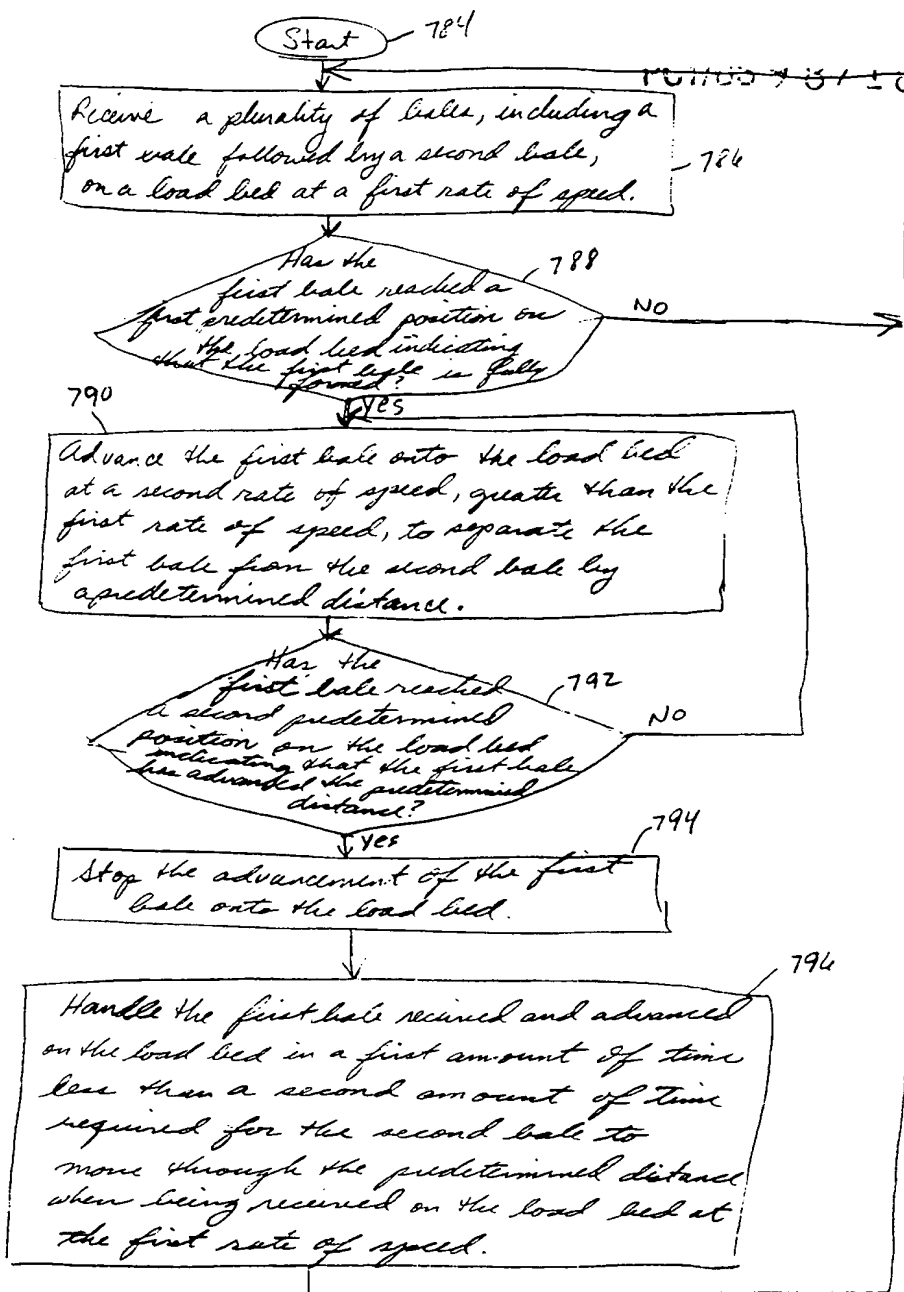


FIG. 74

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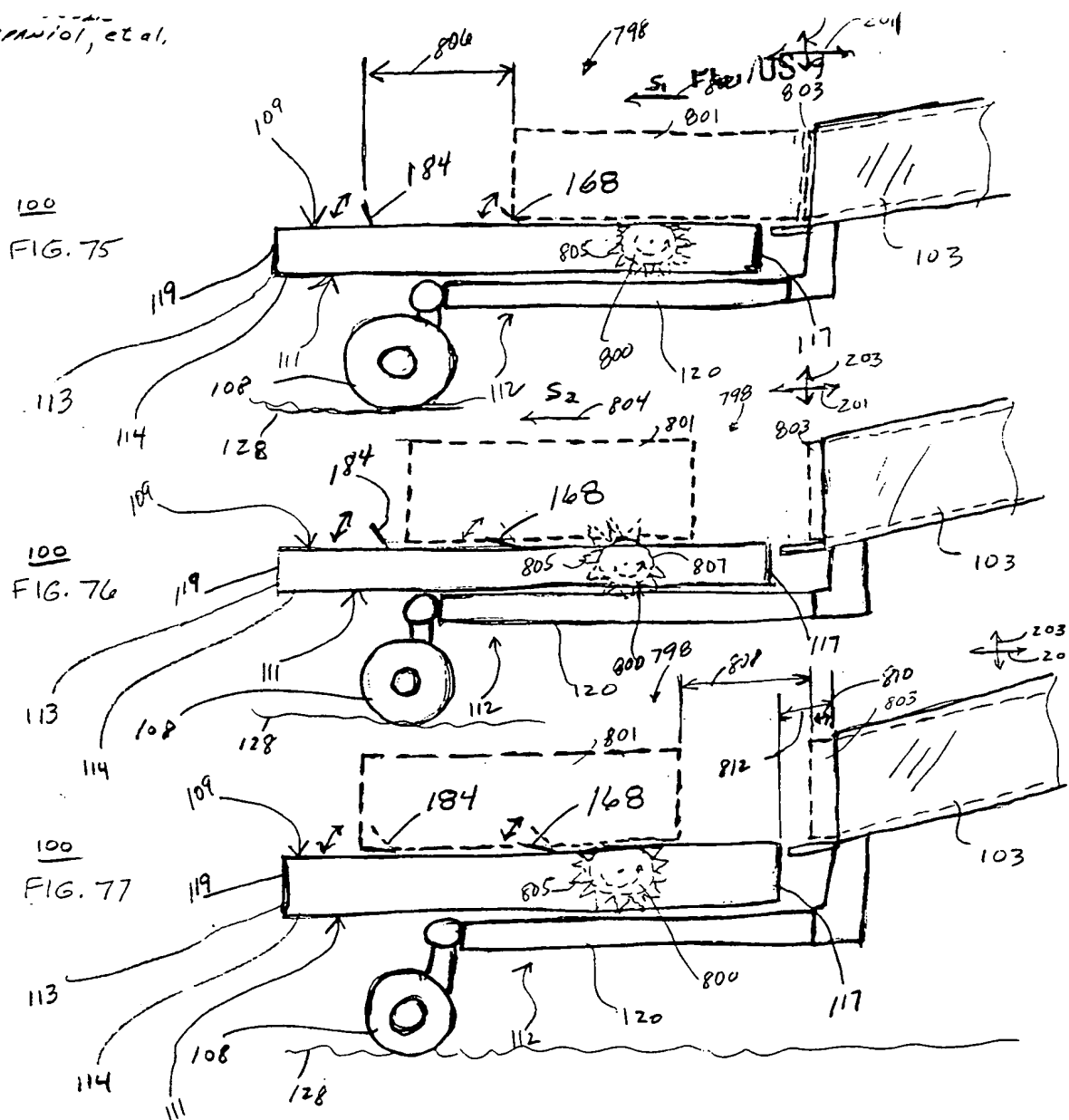
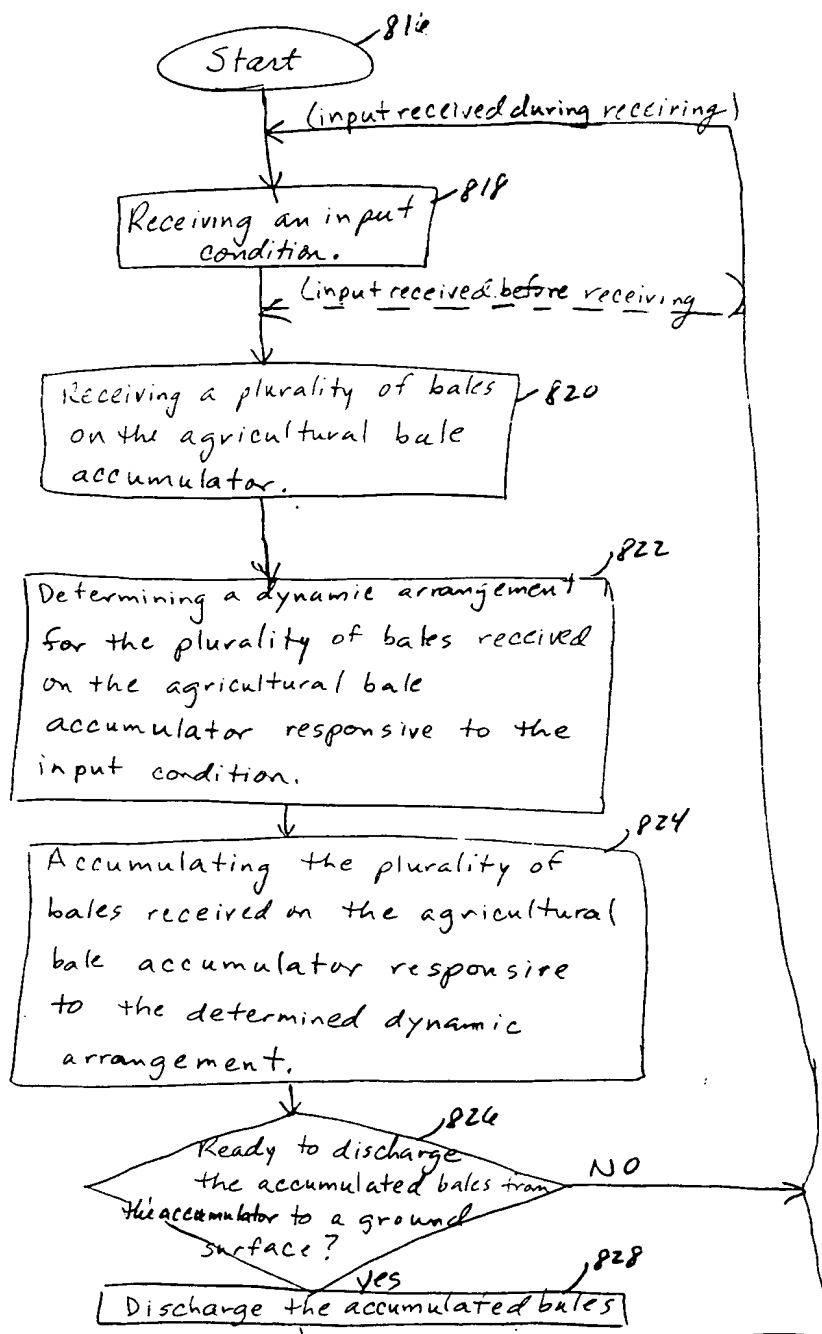
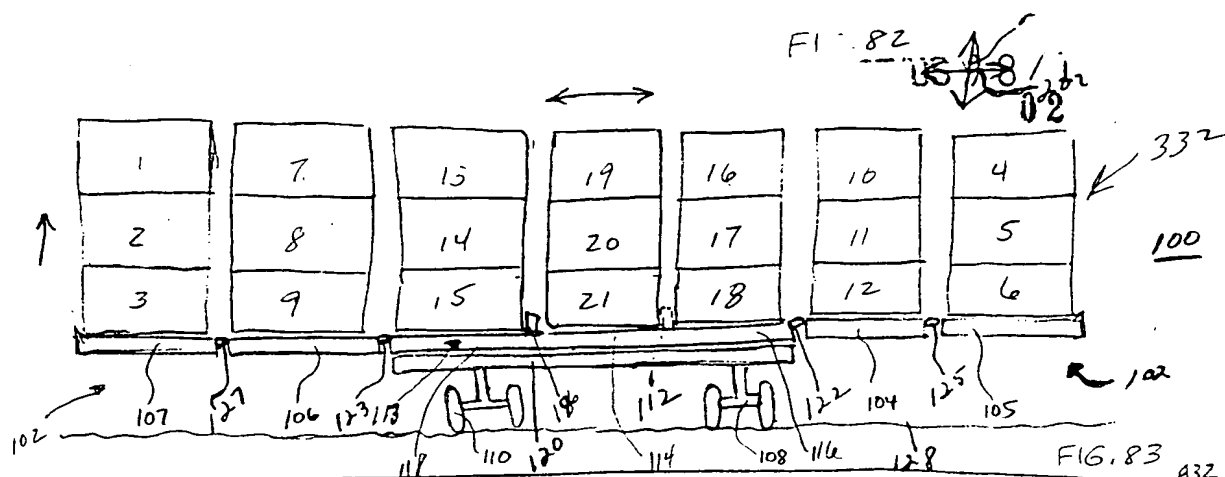


FIG. 81

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DYNAMIC ARRANGEMENT FOR THE ACCUMULATION OF BALES							
834 Horizontal Bale Accumulating Capacity (Number of bales)	1	2	3	4	5	6	7
836 Vertical Bale Accumulating Capacity (Number of bales)							
1	21	15, 21	15, 21, 18	9, 15, 21, 18	9, 15, 21, 18, 12	3, 9, 15, 21, 18, 12	3, 9, 15, 21, 18, 12, 6
2	20, 21	14, 15; 20, 21	14, 15; 20, 21; 17, 18	8, 9; 14, 15; 20, 21; 17, 18	8, 9; 14, 15; 20, 21; 17, 18; 11, 12	2, 3; 8, 9; 14, 15; 20, 21; 17, 18; 11, 12; 5, 6	2, 3; 8, 9; 14, 15; 20, 21; 17, 18; 11, 12; 5, 6
3	19, 20, 21	13, 14, 15; 19, 20, 21	13, 14, 15; 19, 20, 21; 16, 17, 18	7, 8, 9; 13, 14, 15; 19, 20, 21; 16, 17, 18	7, 8, 9; 13, 14, 15; 19, 20, 21; 16, 17, 18; 10, 11, 12	1, 2, 3; 7, 8, 9; 13, 14, 15; 19, 20, 21; 16, 17, 18; 10, 11, 12	1, 2, 3; 7, 8, 9; 13, 14, 15; 19, 20, 21; 16, 17, 18; 10, 11, 12; 4, 5, 6
			(Maximum Load per Bale Carrying Capacity)				(Maximum Accumulator Bale Carrying Capacity)

839

FIG. 84

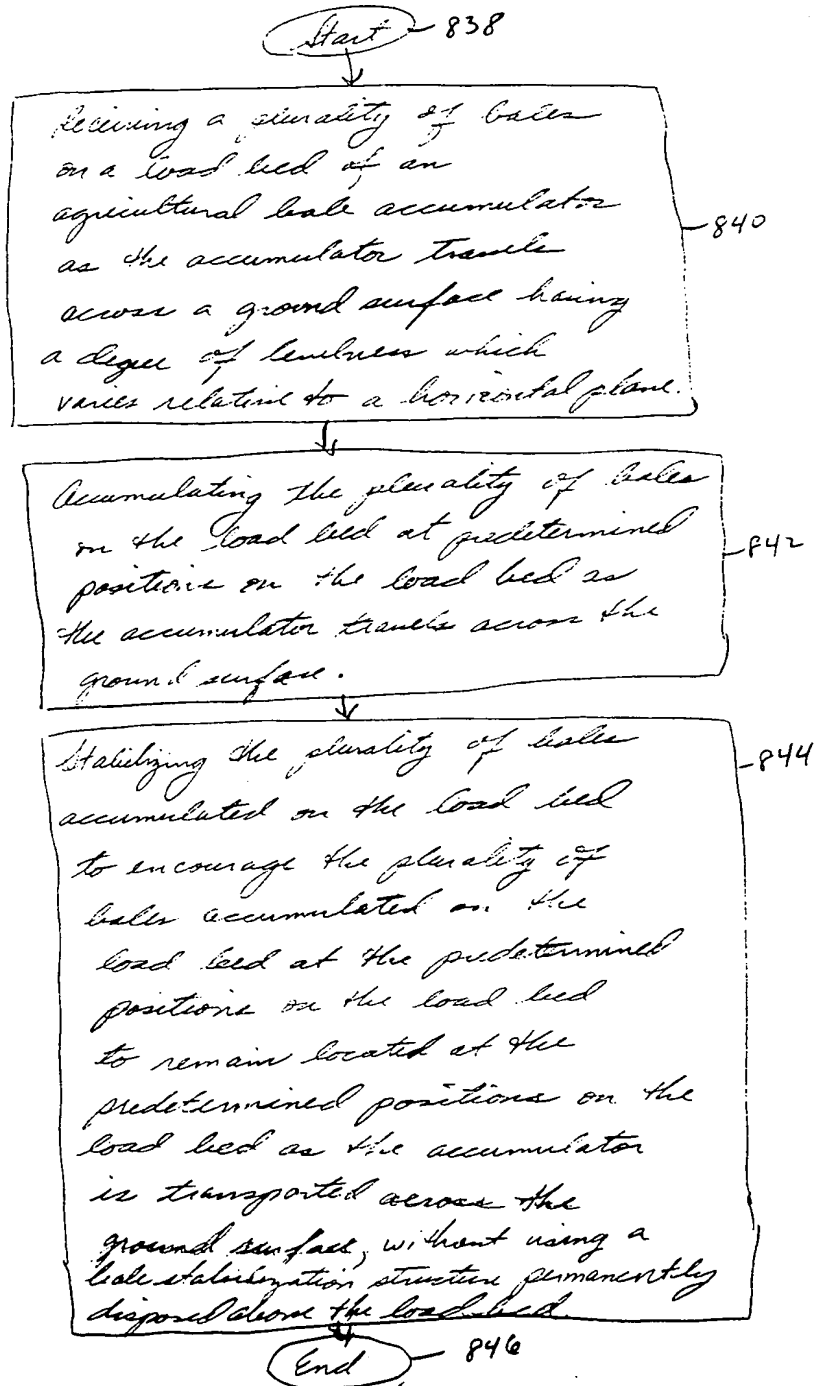
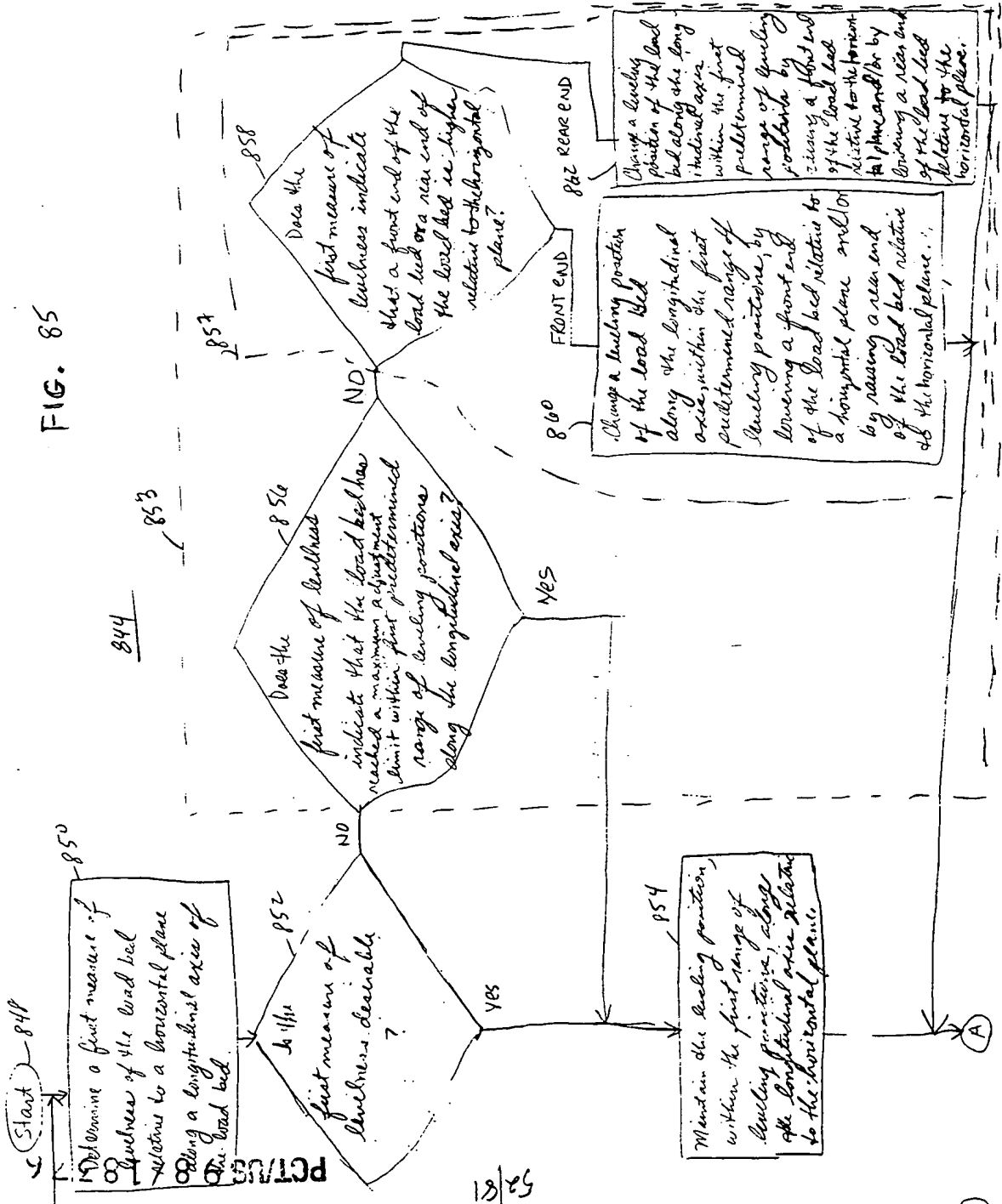
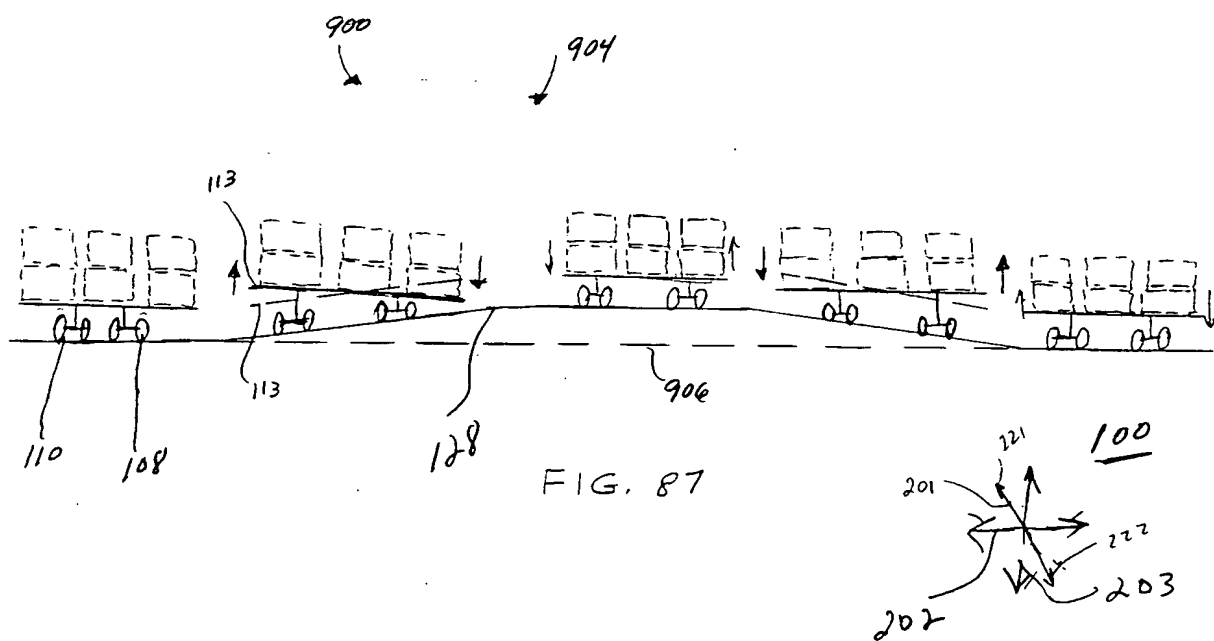
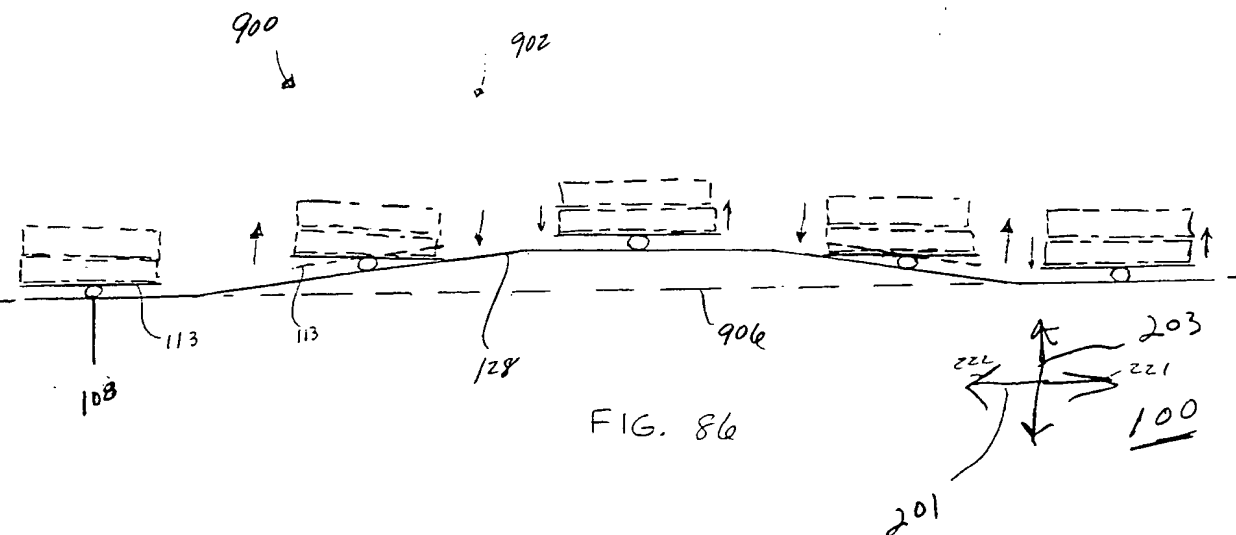


FIG. 85





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FIG. 88

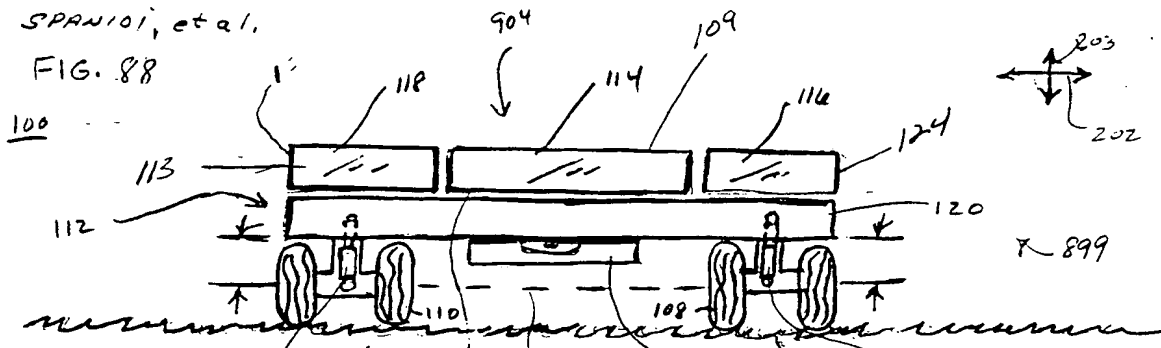


FIG. 89

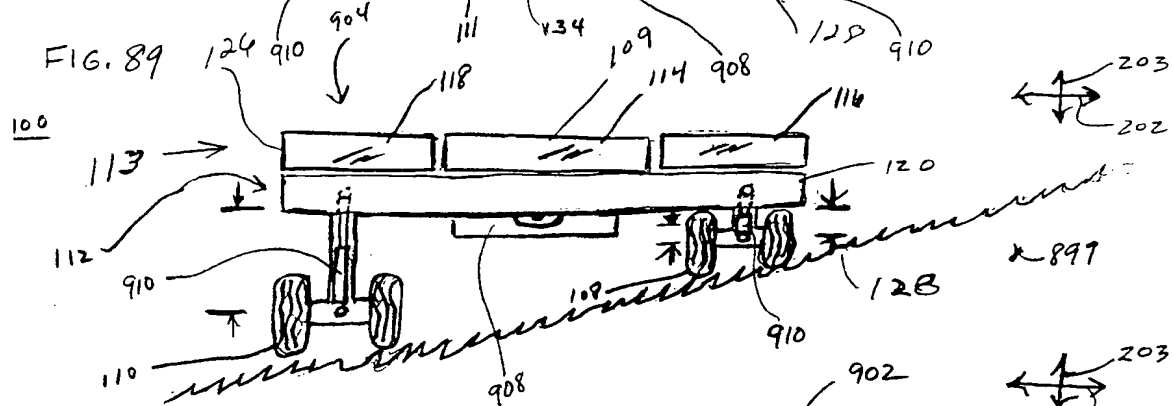


FIG. 90

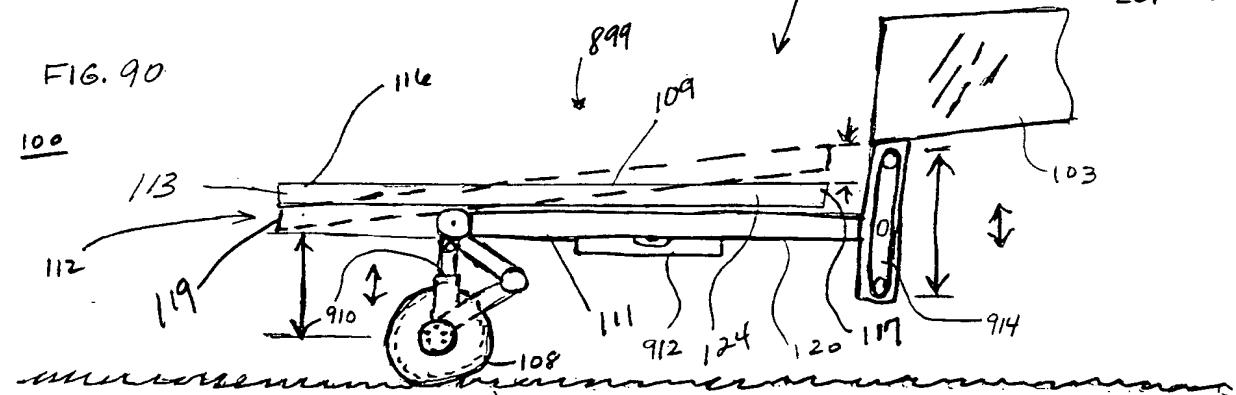
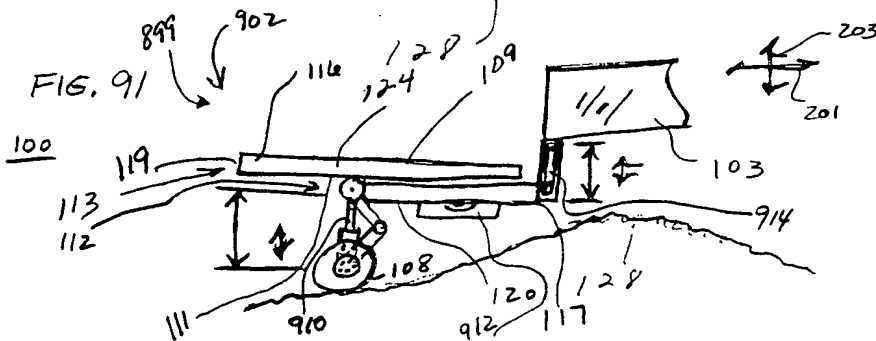
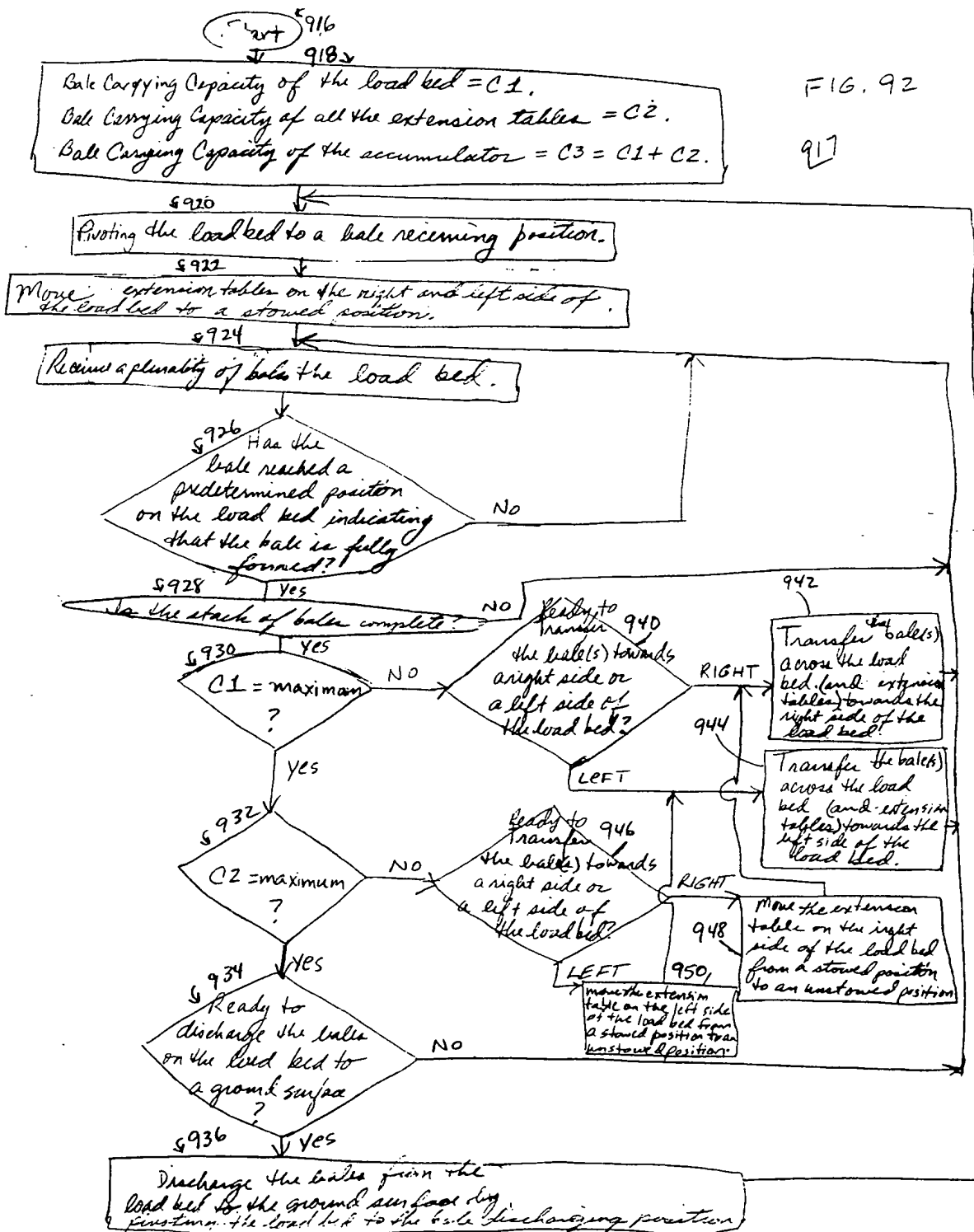


FIG. 91





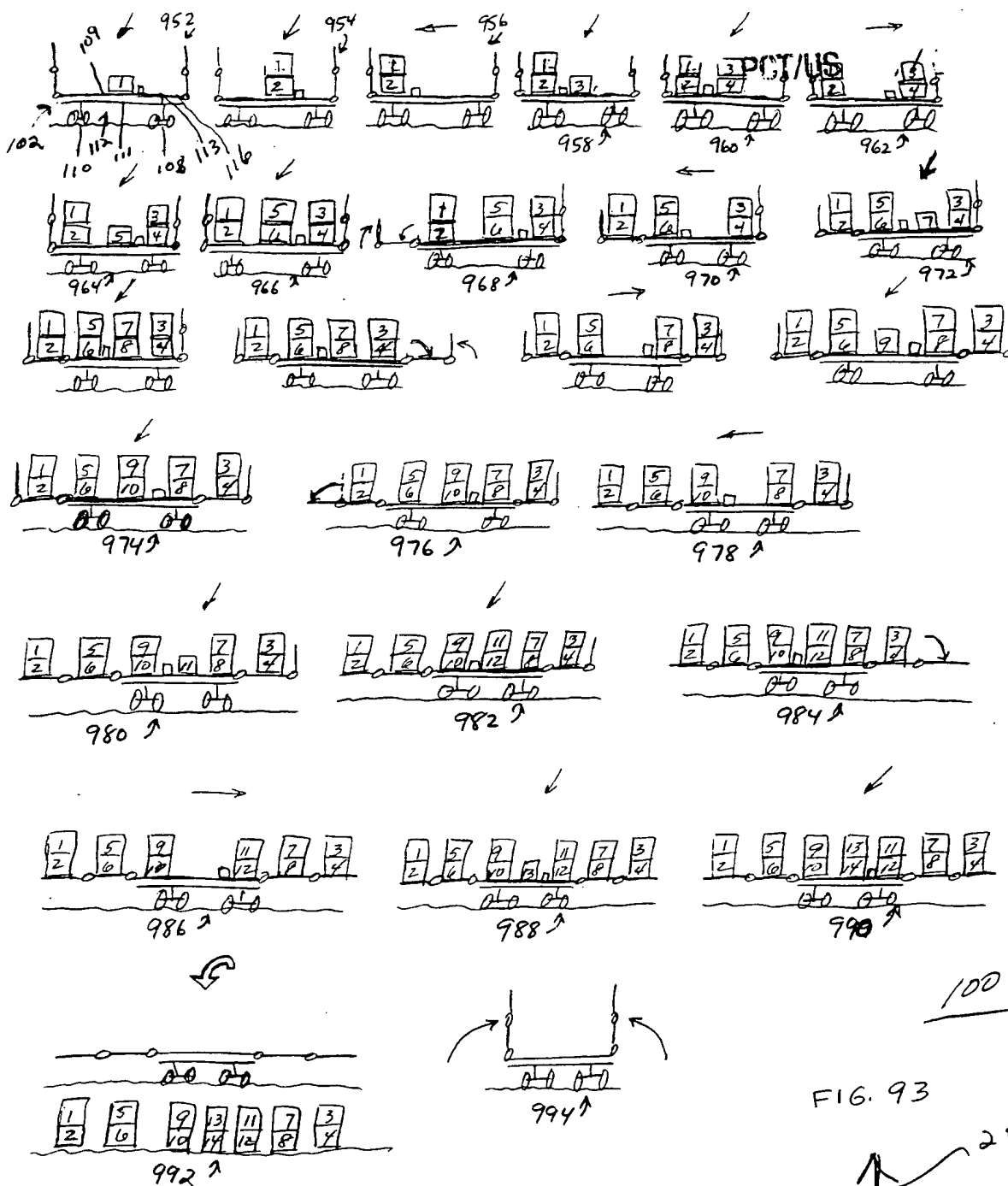
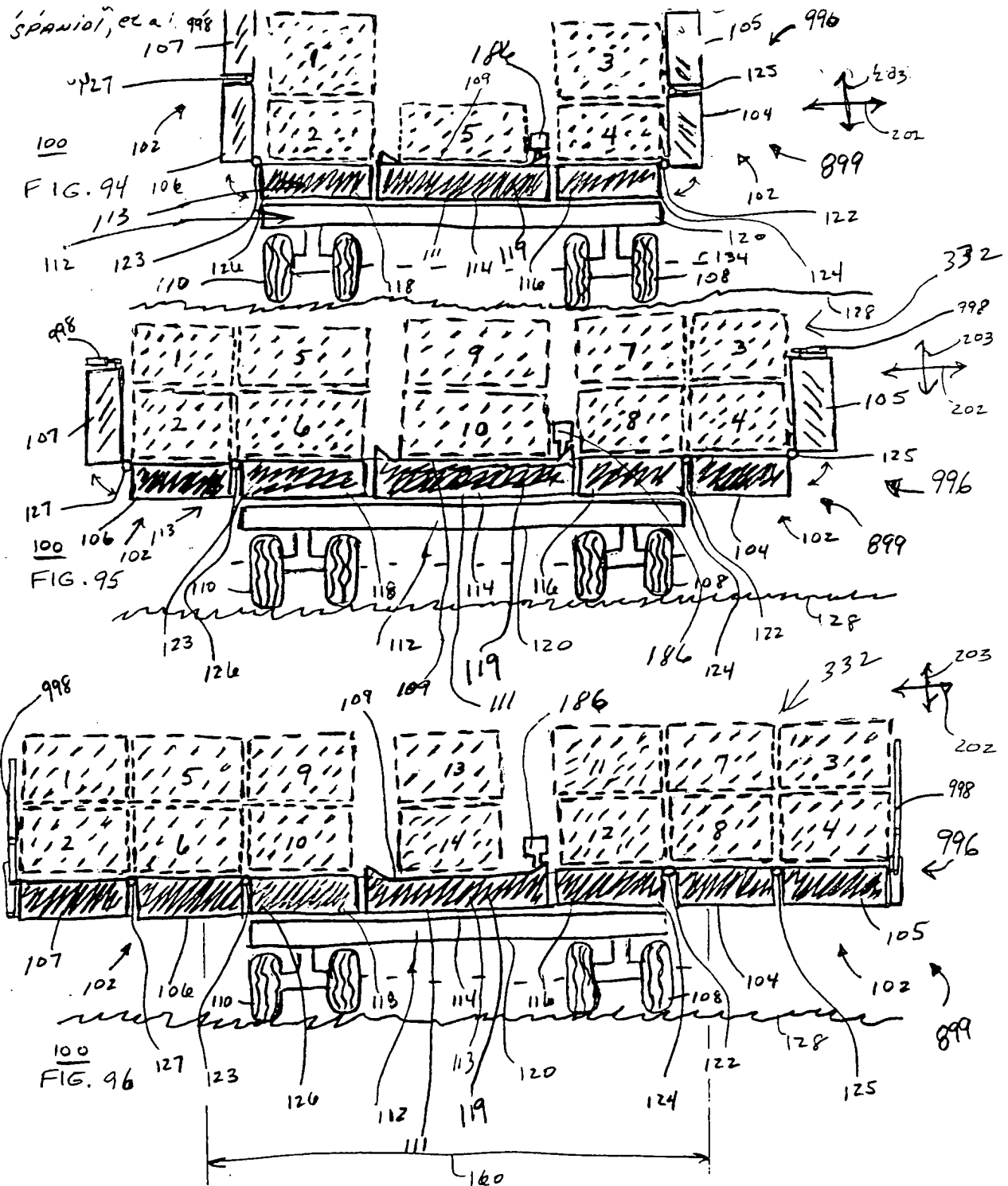


FIG. 93



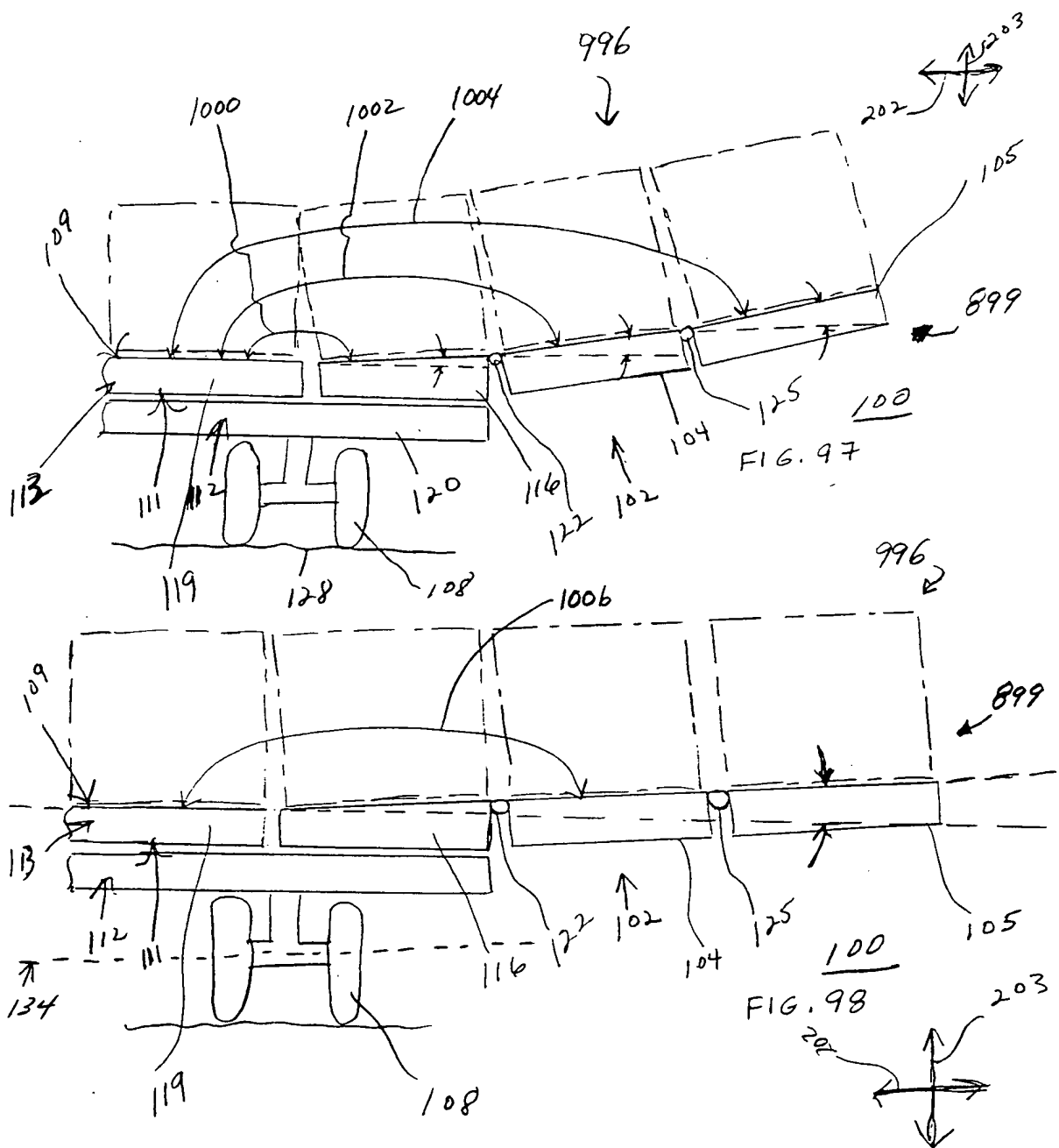
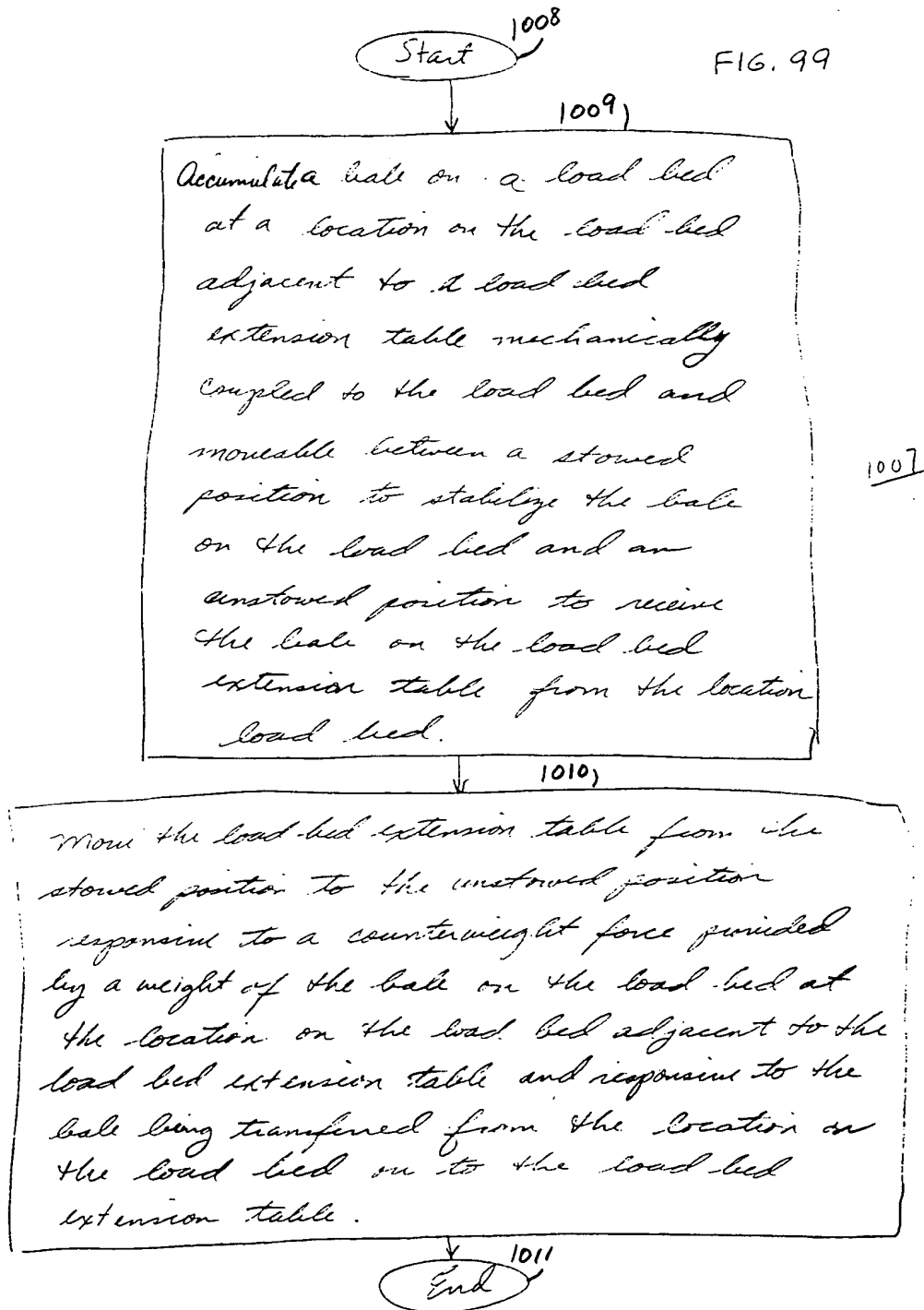


FIG. 99



Start from step ¹⁰¹² 911₂ in Fig 92

1013

Exert a first bias force on the load bed extension table to cause the load bed extension table to move from the unstowed position to the stowed position.

1014

Secure a first latch to hold the load bed extension table in the stowed position.

1015

Produce a counterweight force provided by a weight of a bale on a load bed at a location on the load bed adjacent to the load bed extension table.

1016

Apply the counterweight force against first bias force to substantially reduce the effect of the first bias force.

1017

Exert a second bias force on the load bed extension table to cause the load bed extension table to move from the stowed position to the unstowed position.

Release the first latch responsive to the bale being transferred from the location on the load bed adjacent to the load bed extension table on to the load bed extension table to permit the second bias force to permit the second bias force to move the load bed extension table from the stowed position to the unstowed position.

1019

Secure a second latch to hold the load bed extension table in the unstowed position.

1020

Continue to step ⁹⁴⁴ 944 or step 948 in Fig. 92.

1021

Start from step ⁹³⁶ 936 in Fig. 92

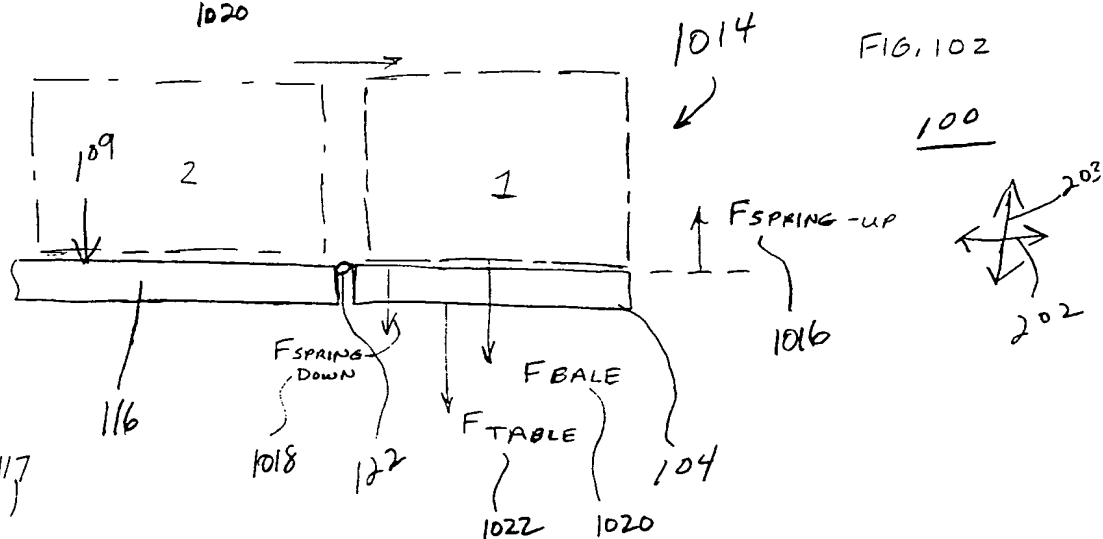
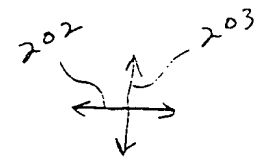
1022

Release the second latch, responsive to the load bed pivoting to the bale receiving position after discharging the bales from the load bed to permit the first bias force to move the load bed extension table from the unstowed position to the stowed position.

1023 Continue to step ⁹²⁴ 924 in Fig. 92

FIG. 100

1010



[illegible]

FIG. 104

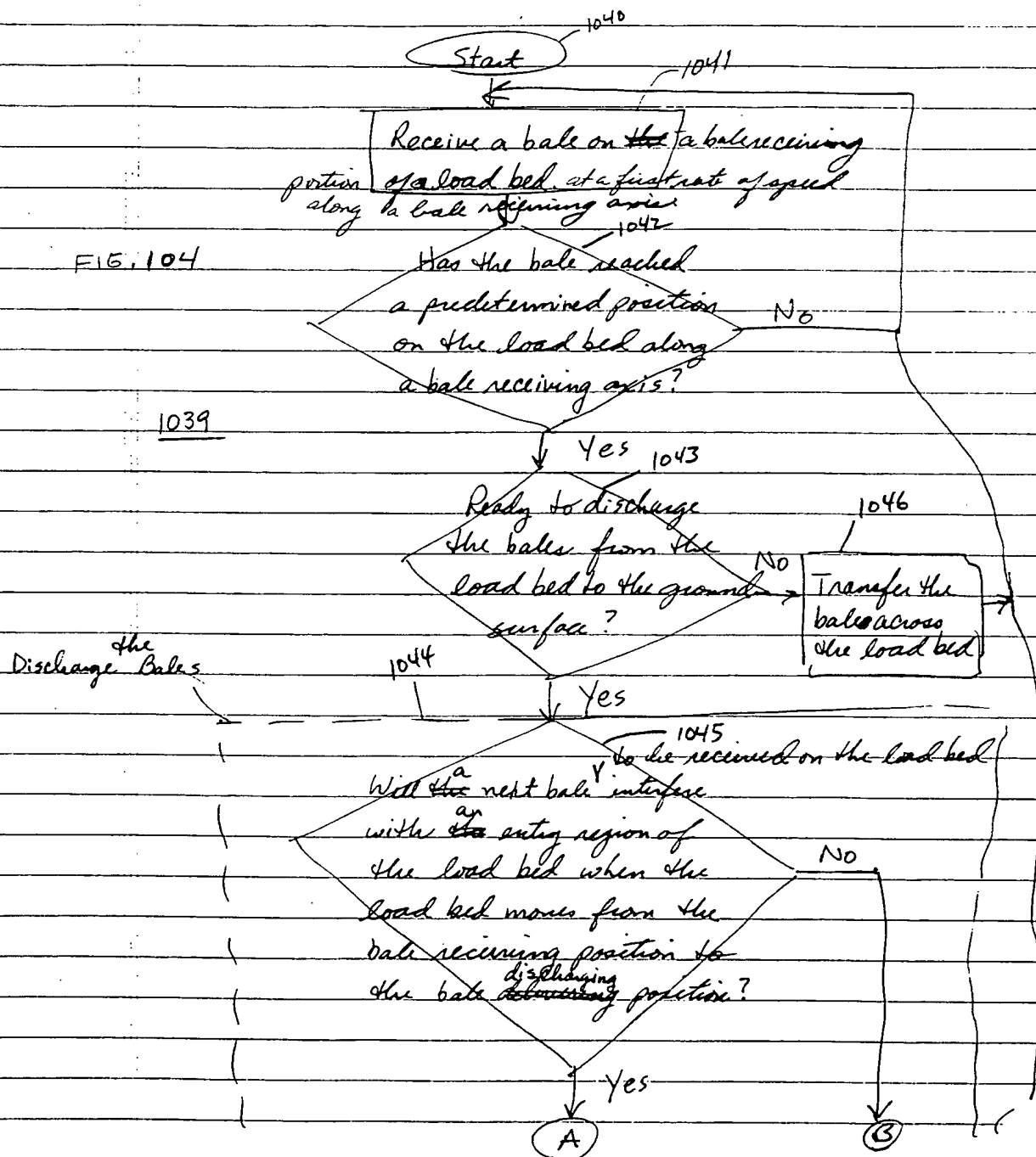
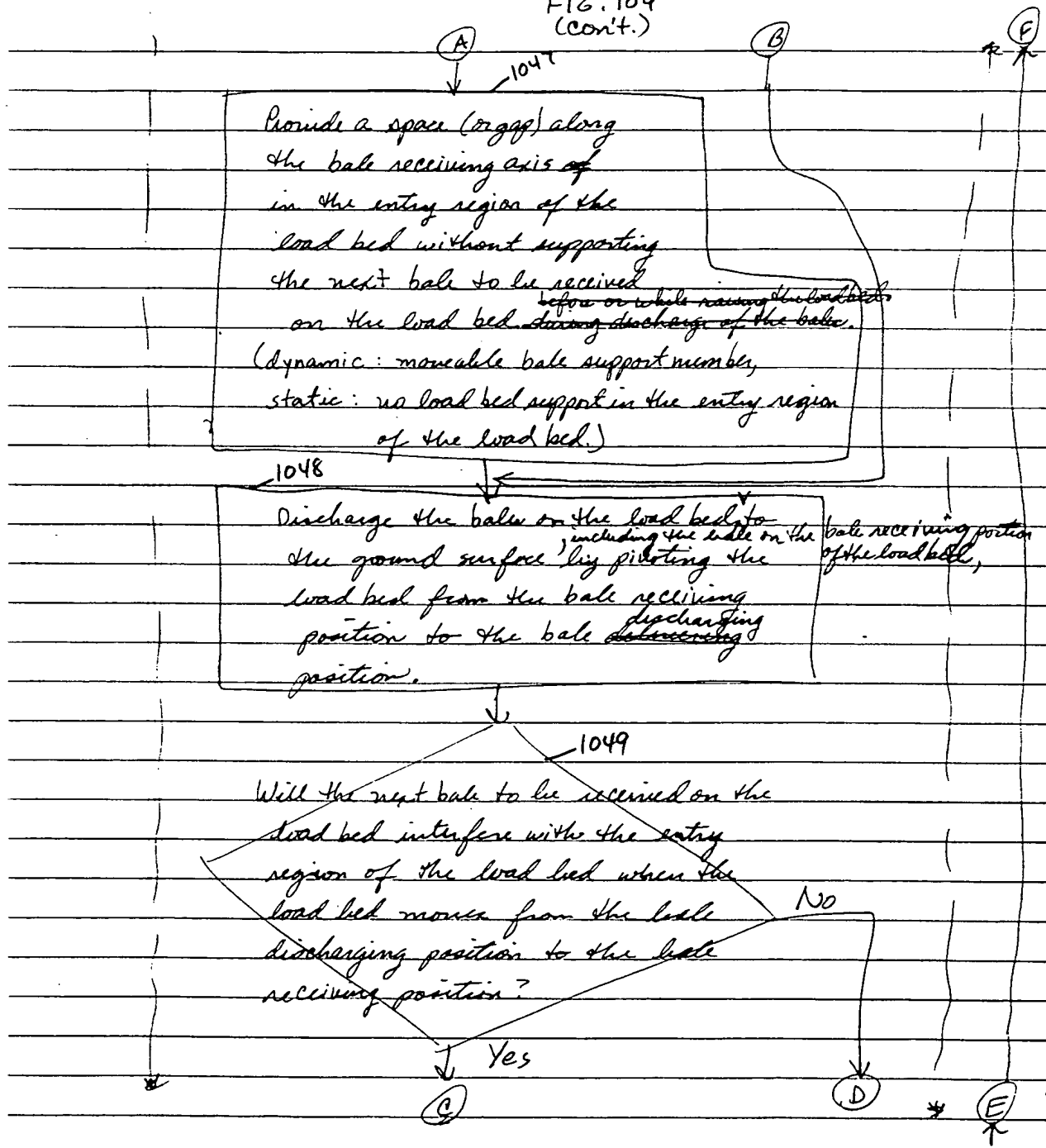


FIG. 104
(cont.)

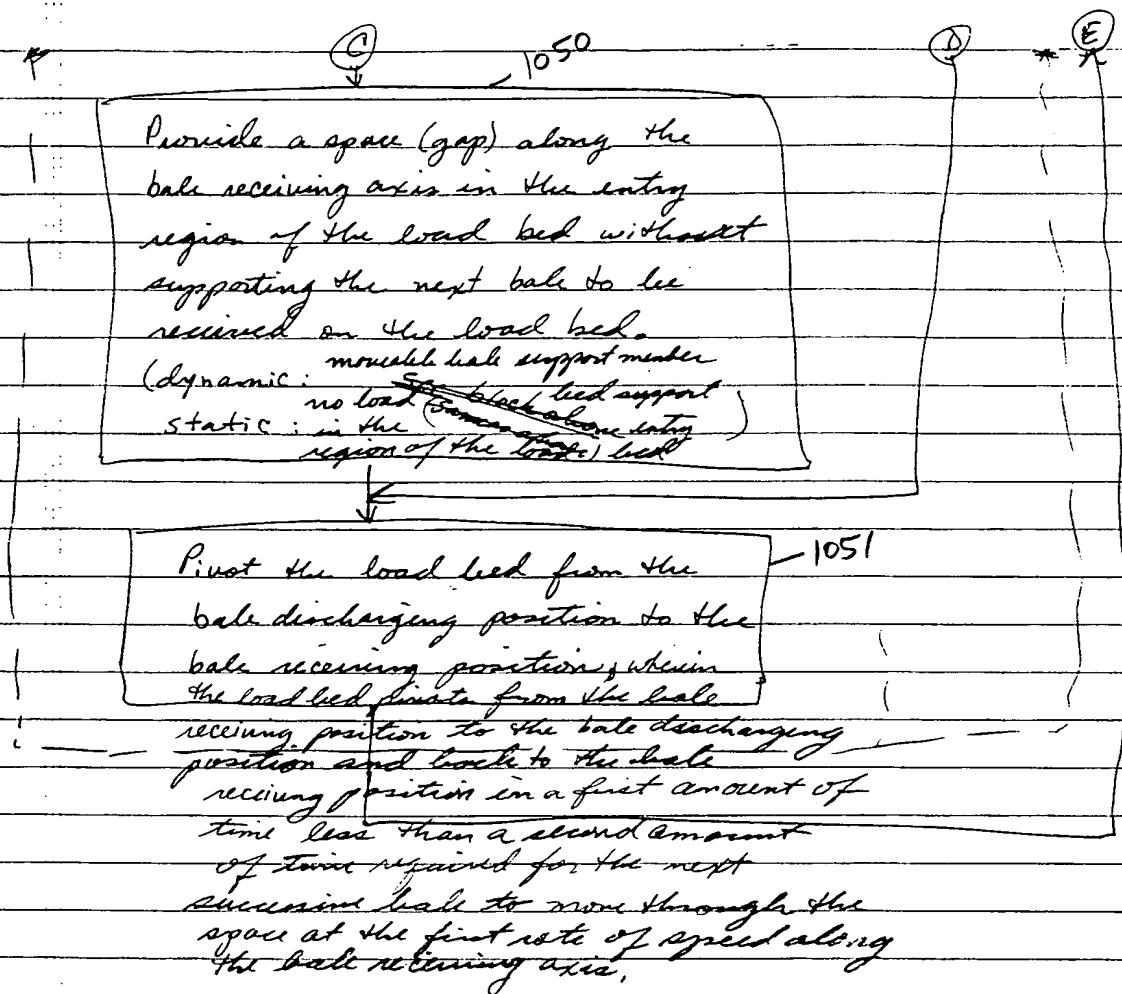
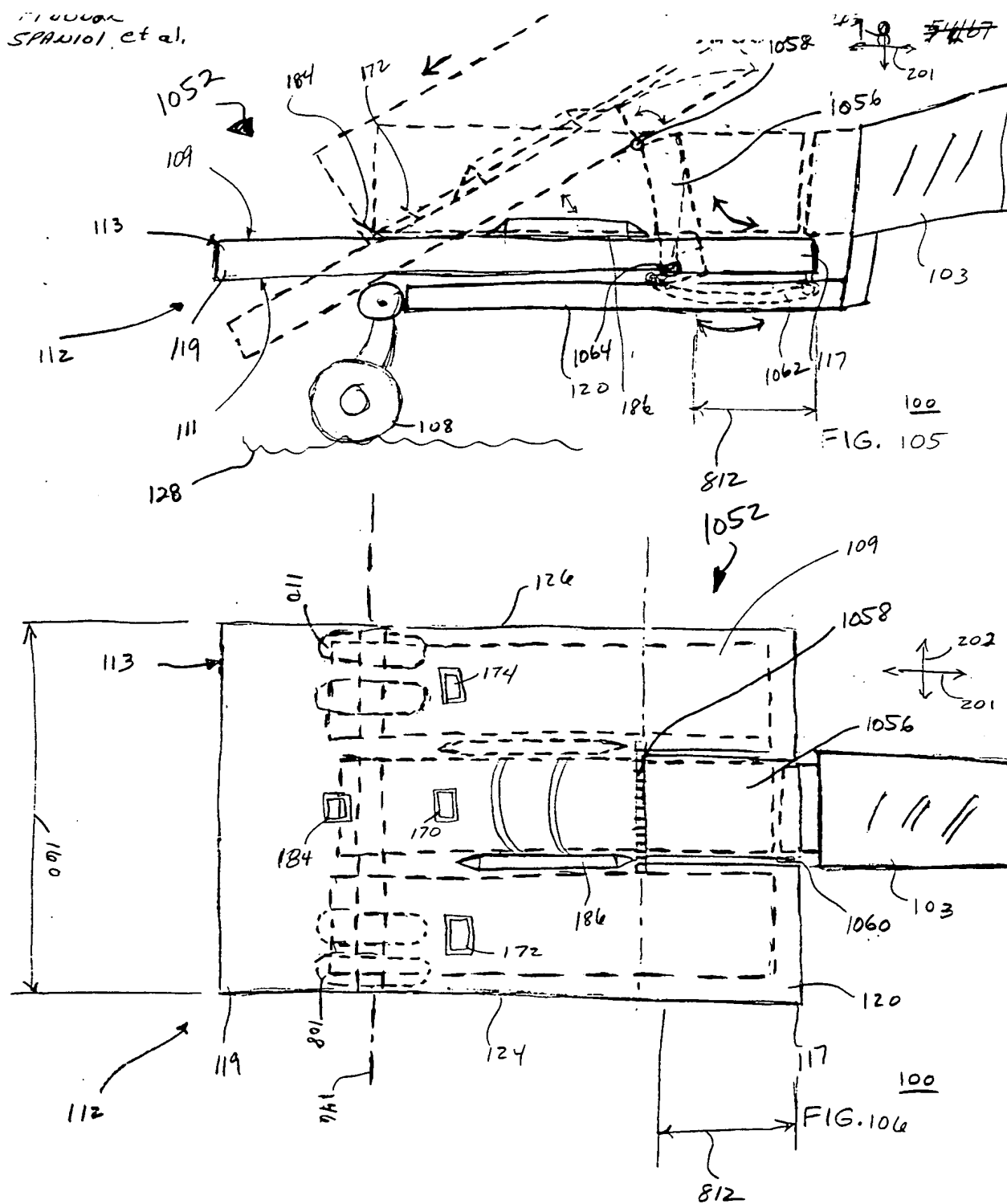
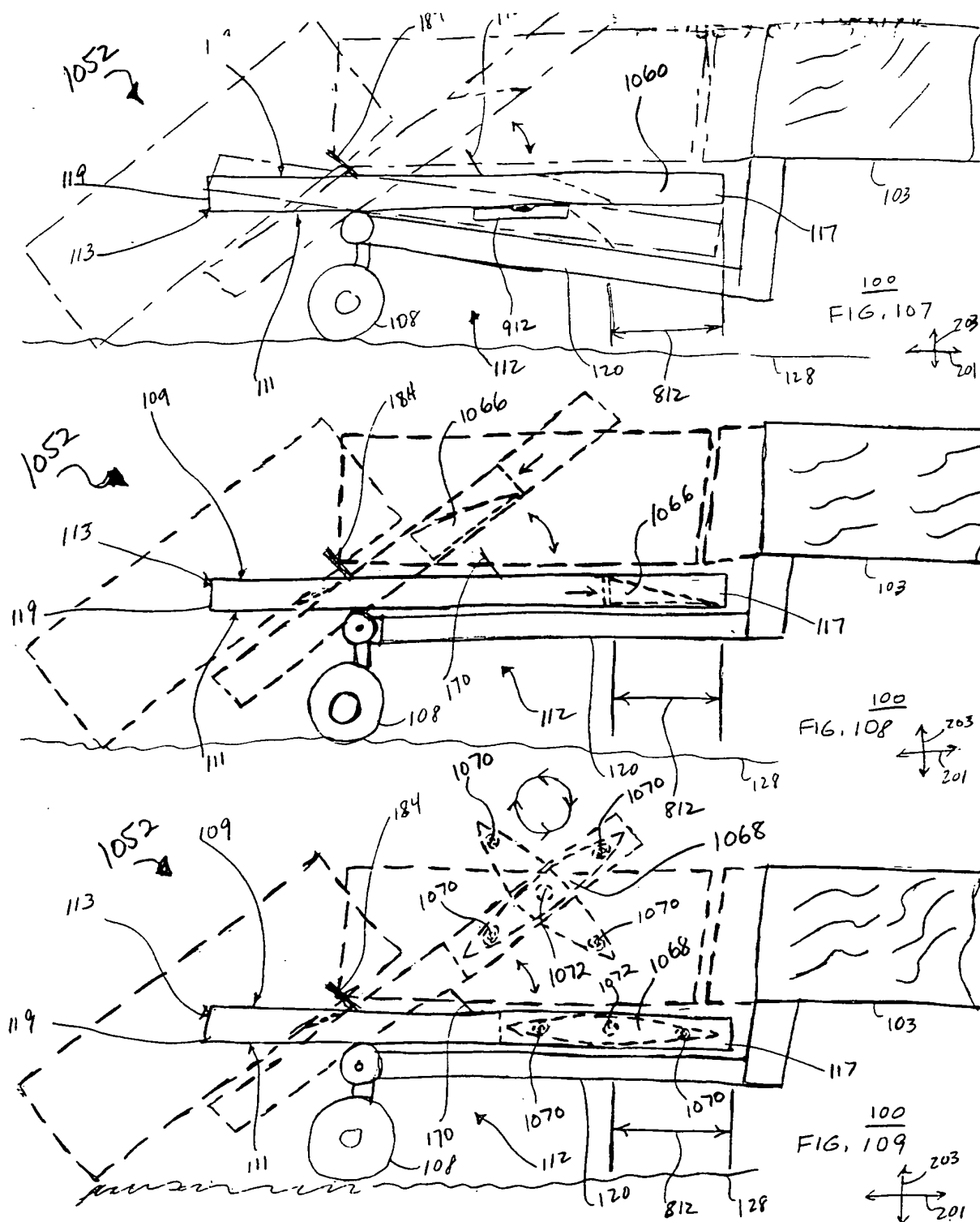


FIG. 104 (cont.)

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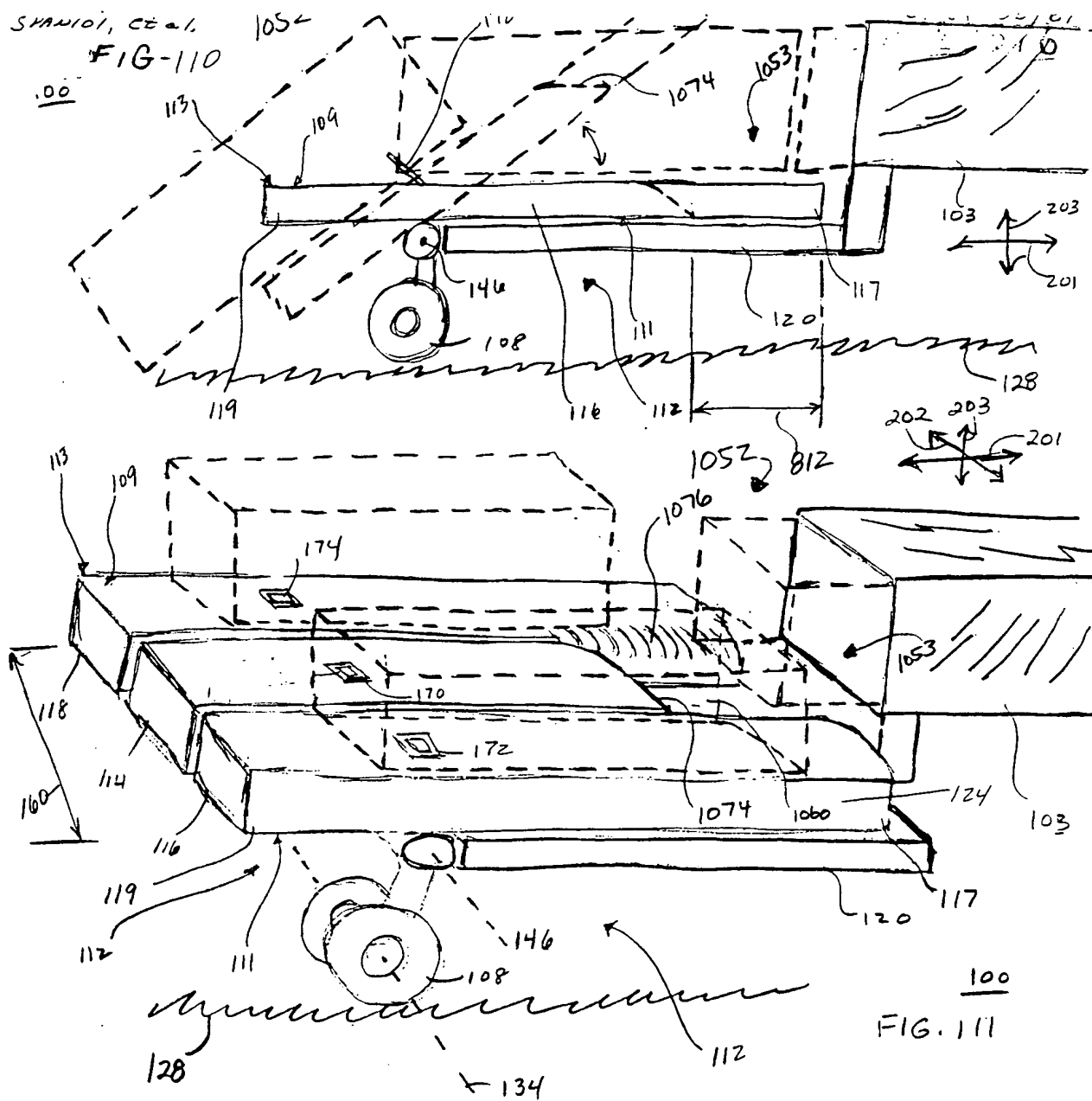
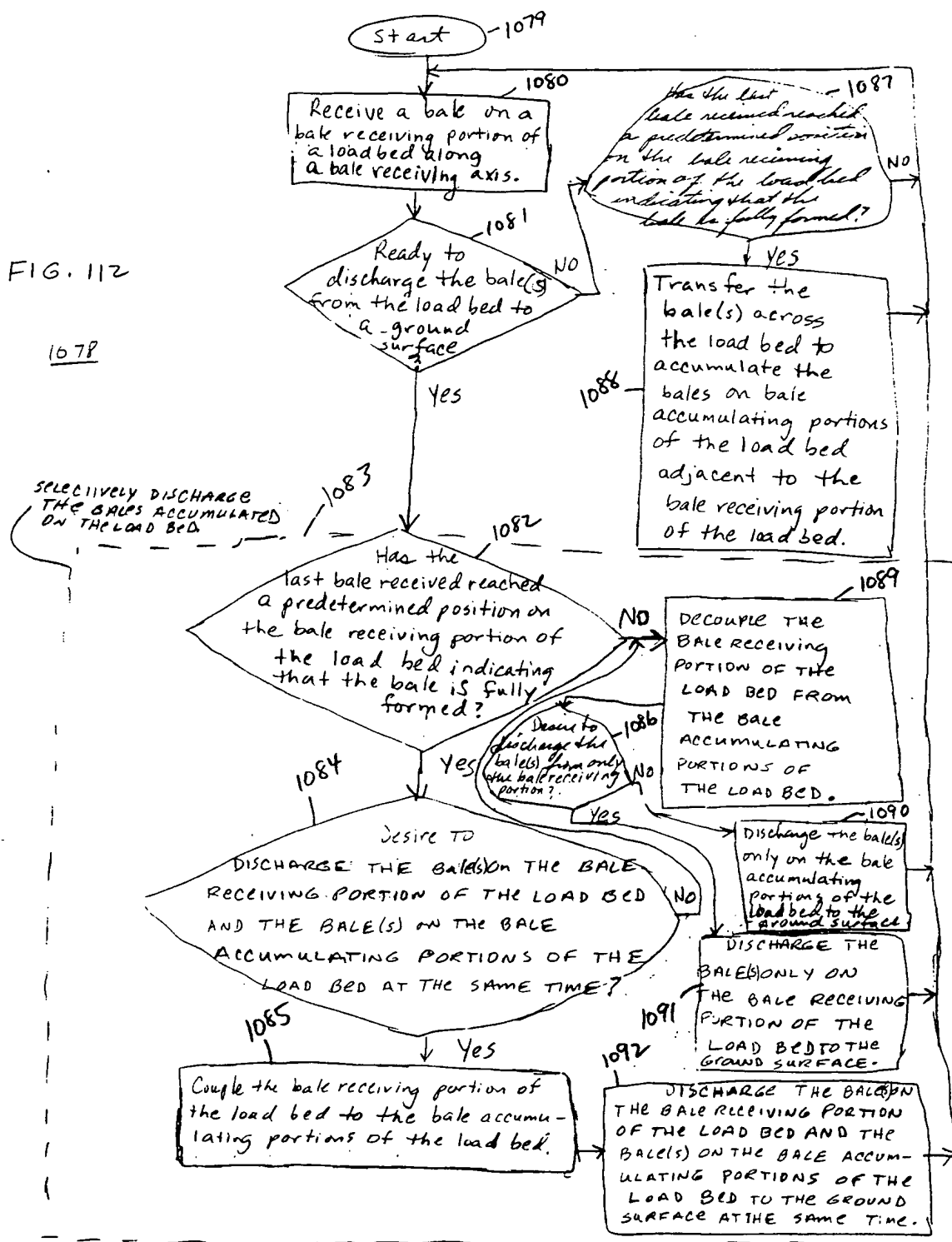
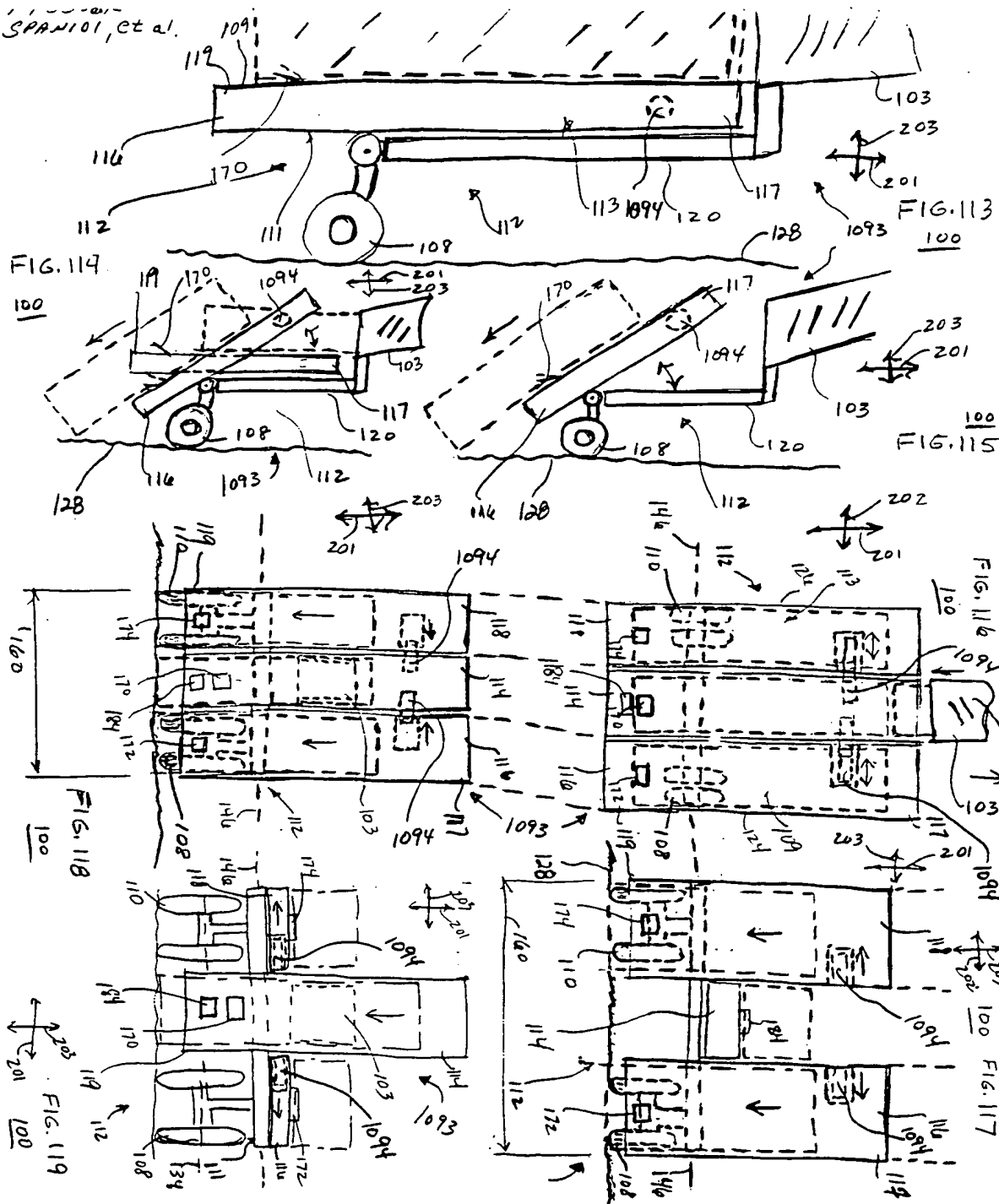


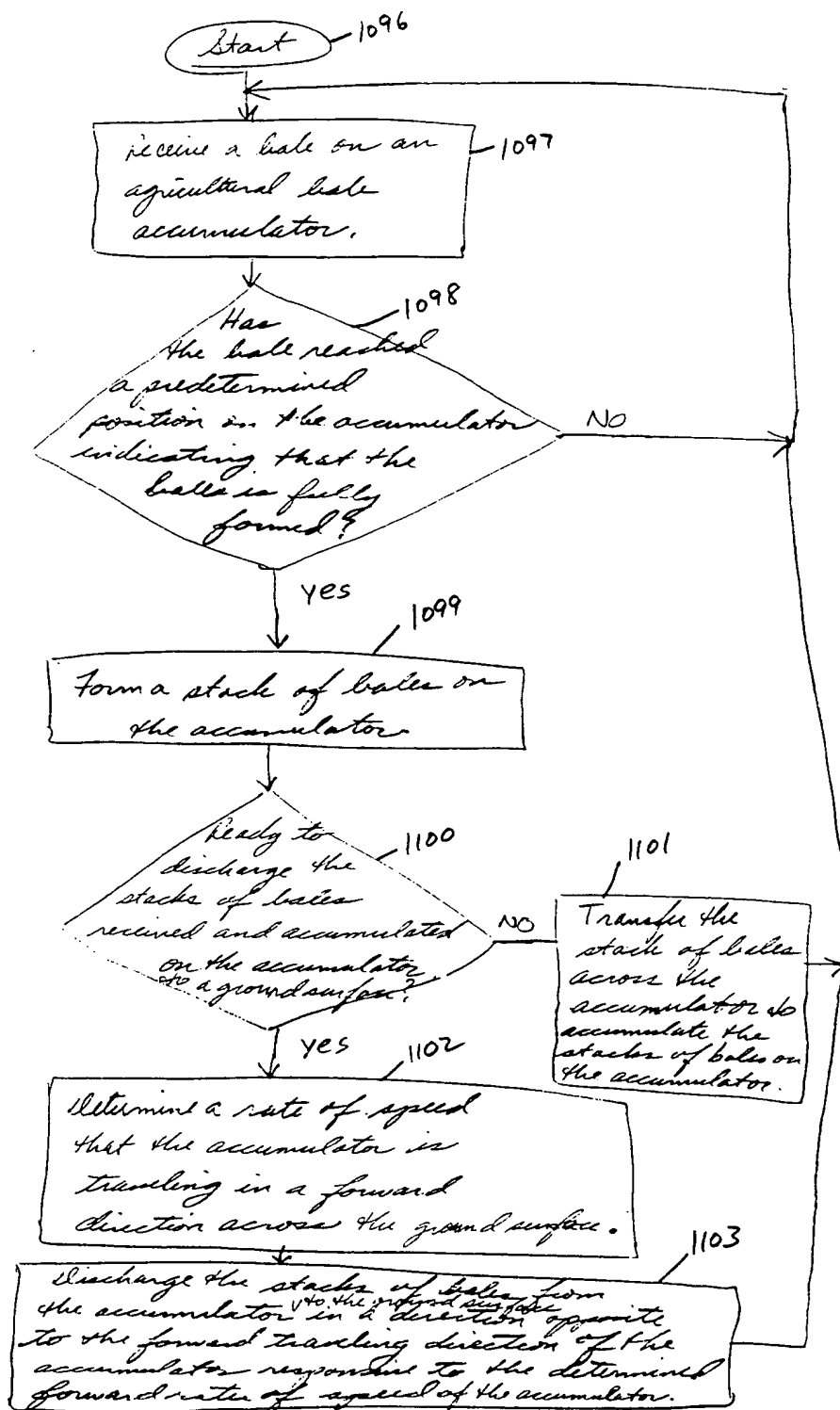
FIG. 112

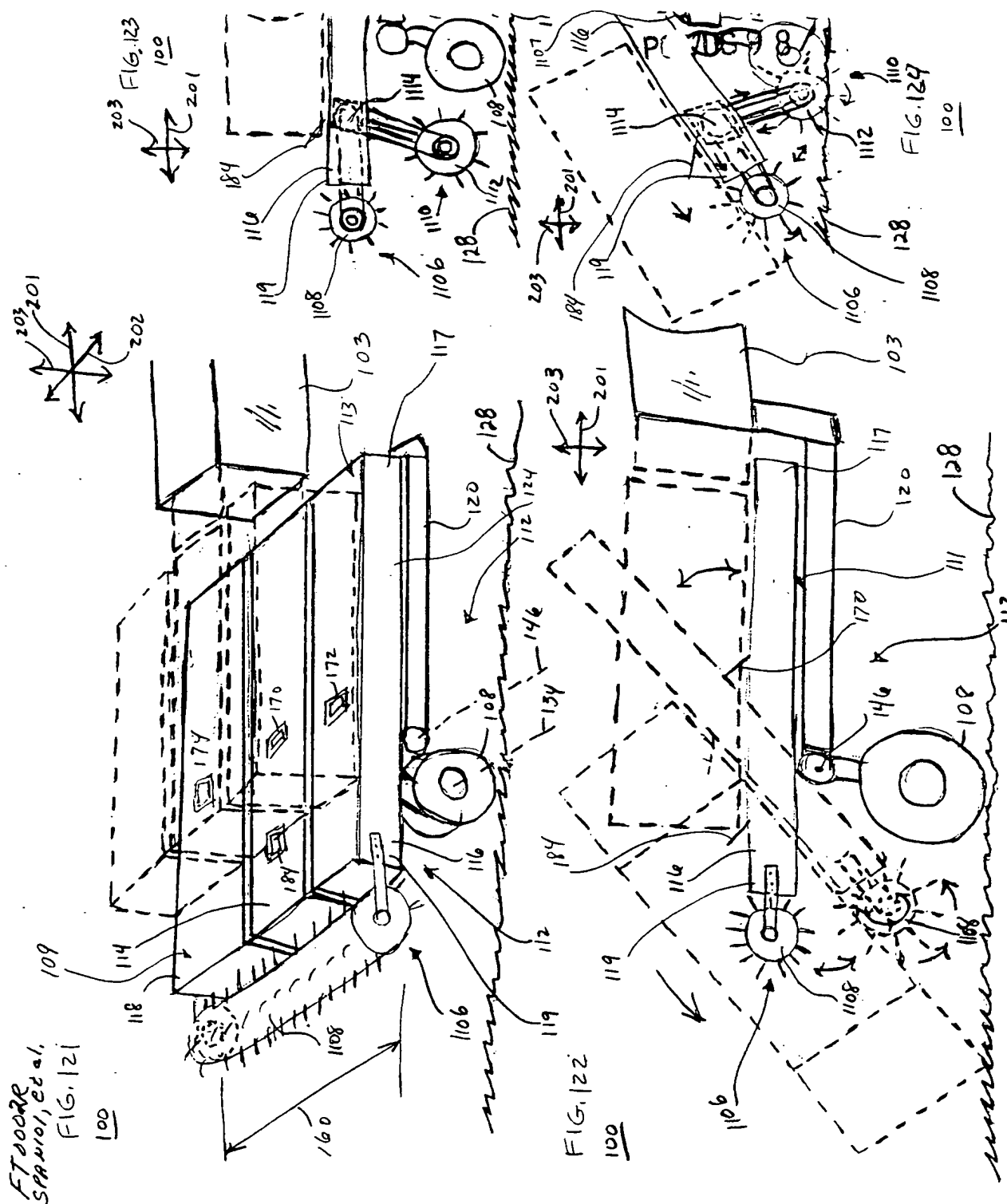


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1095
FIG. 120





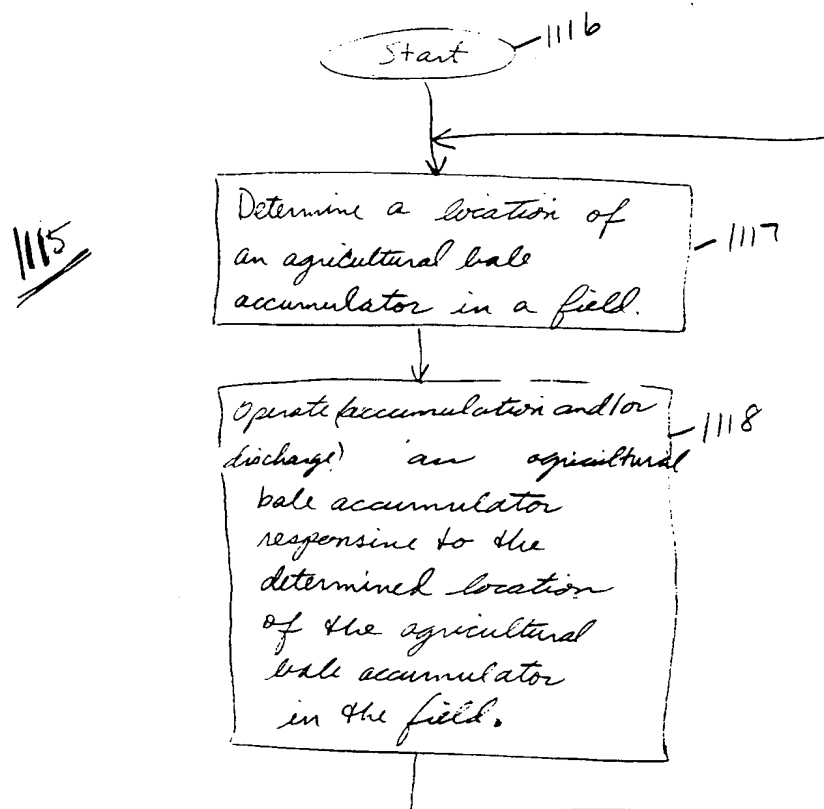
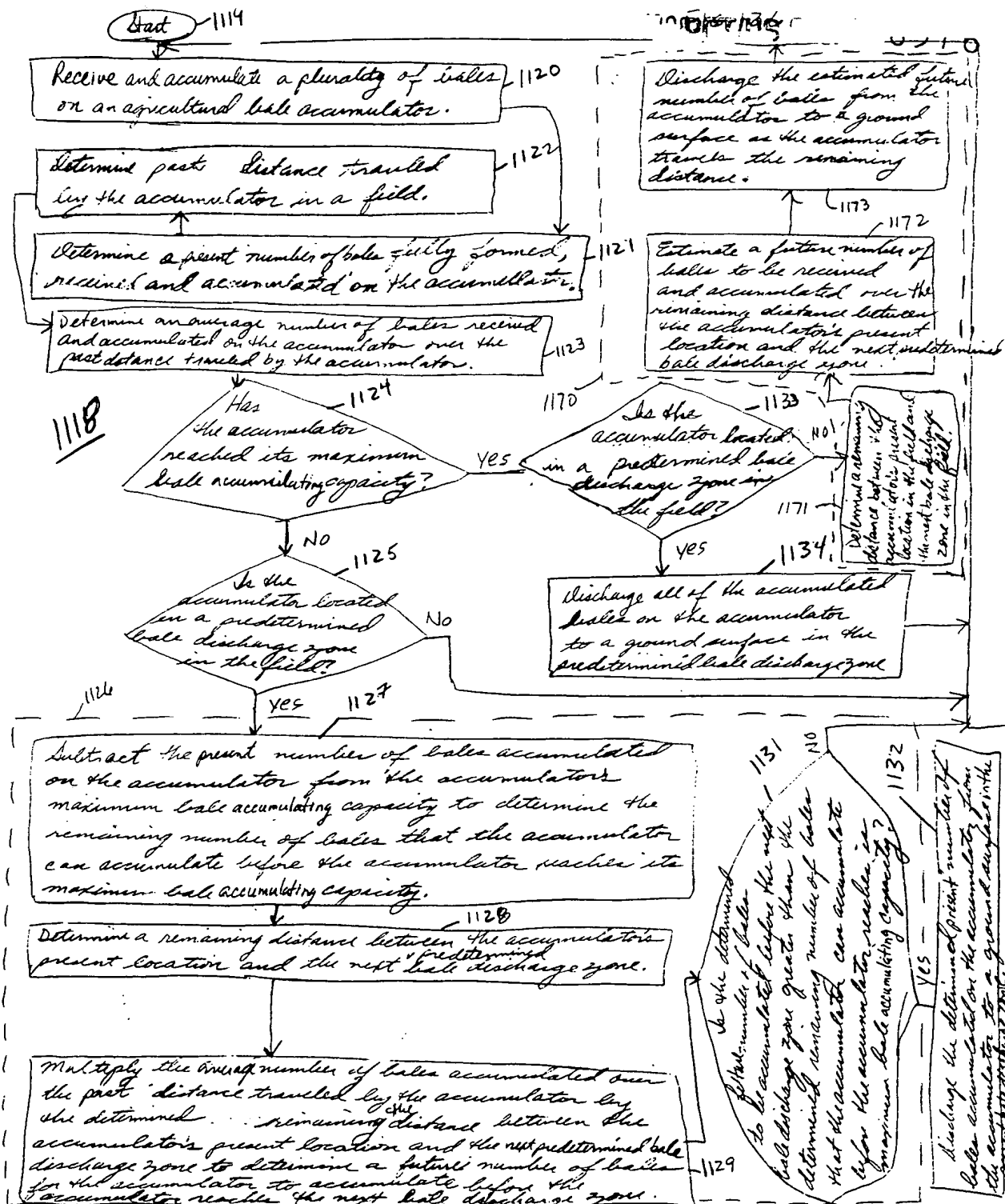


FIG. 125



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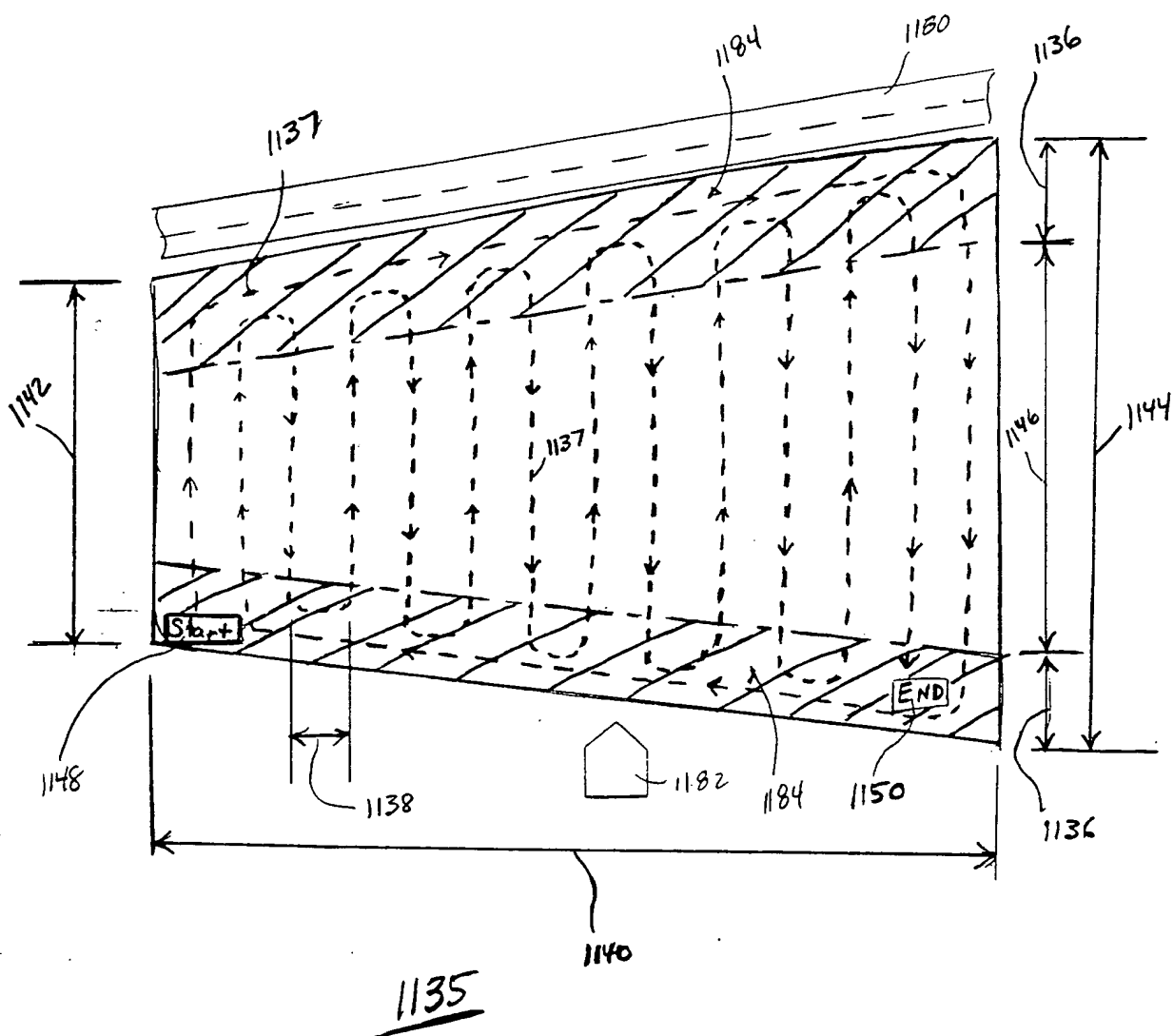


FIG. 127

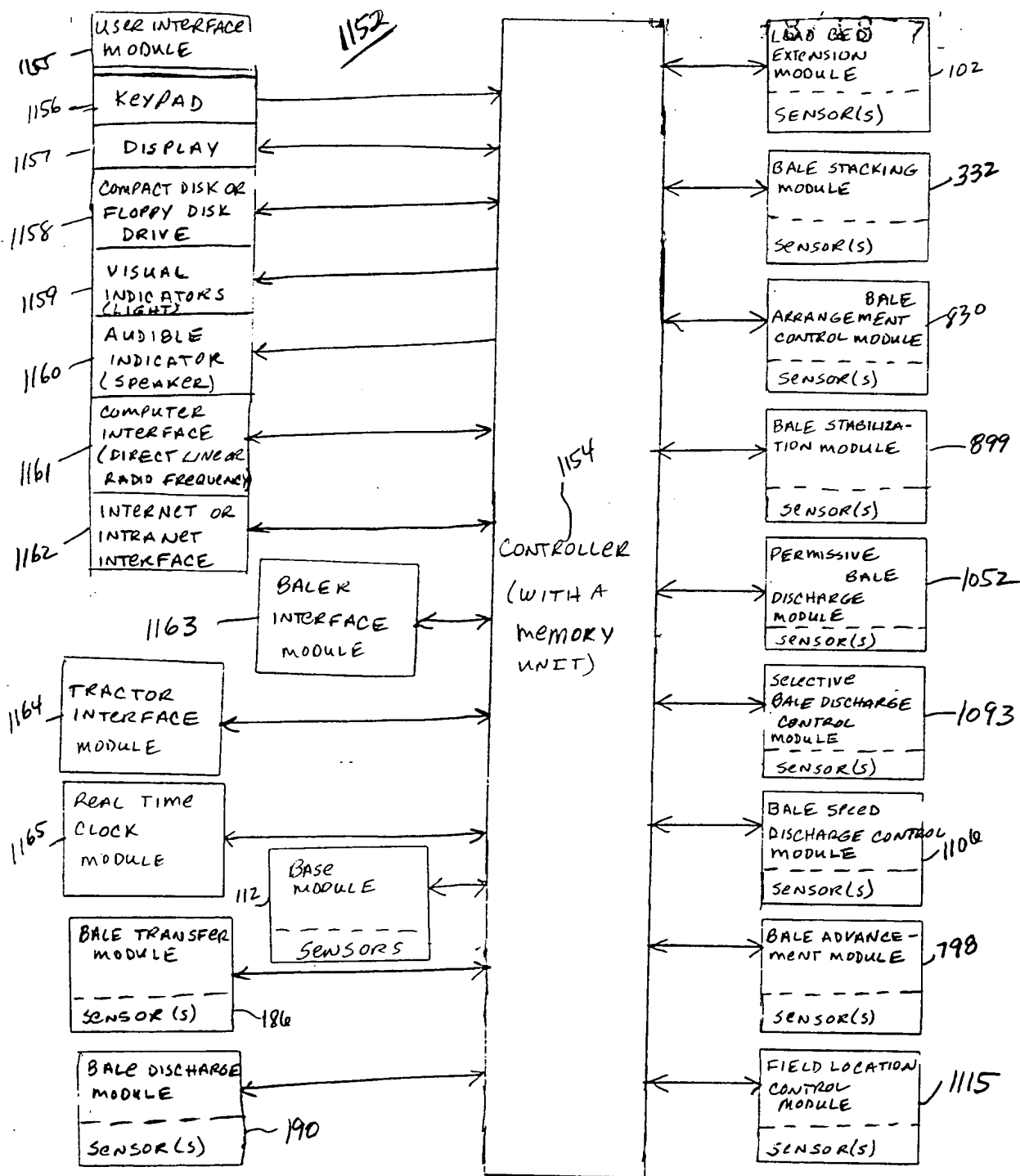
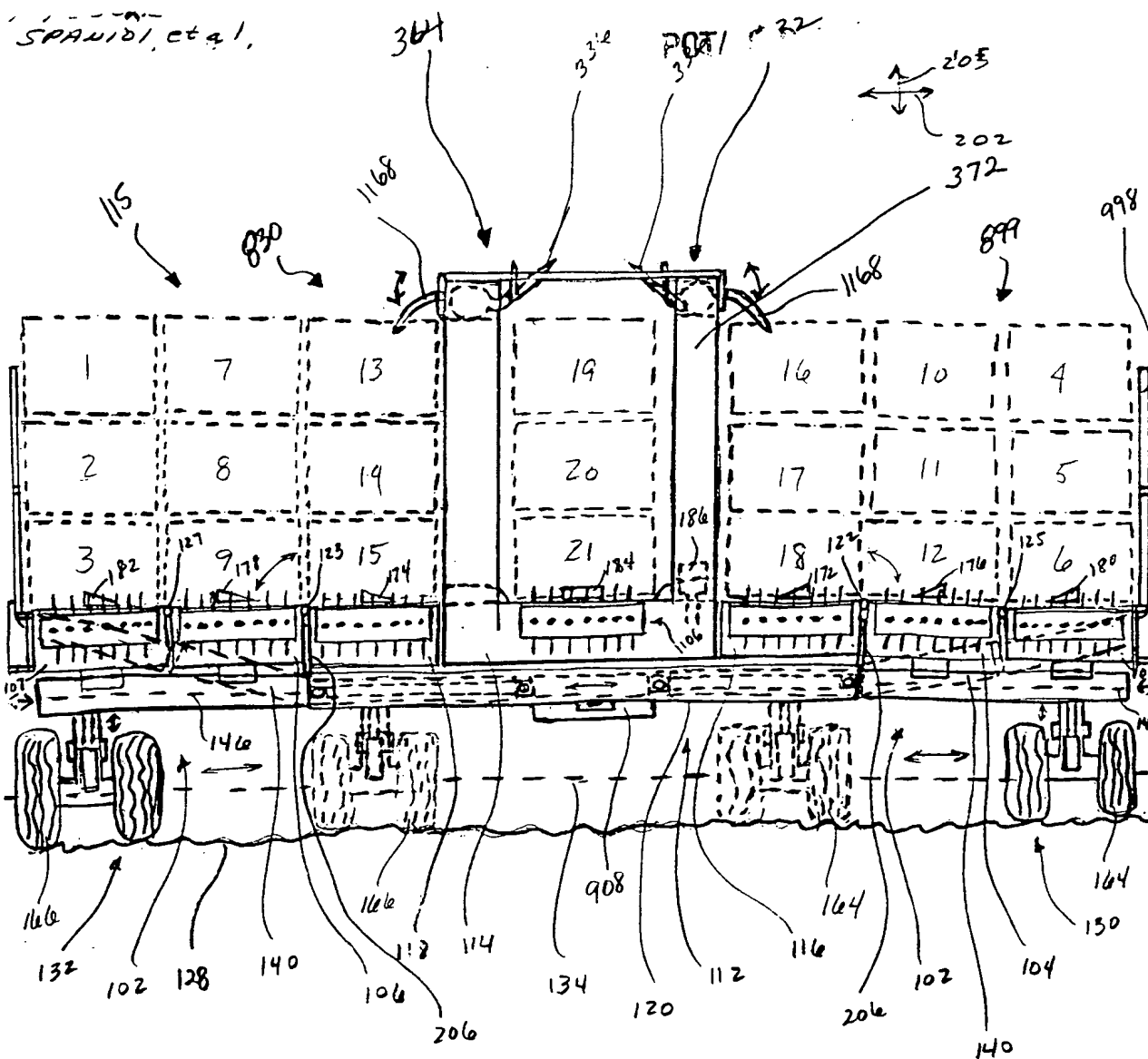


FIG. 128



100

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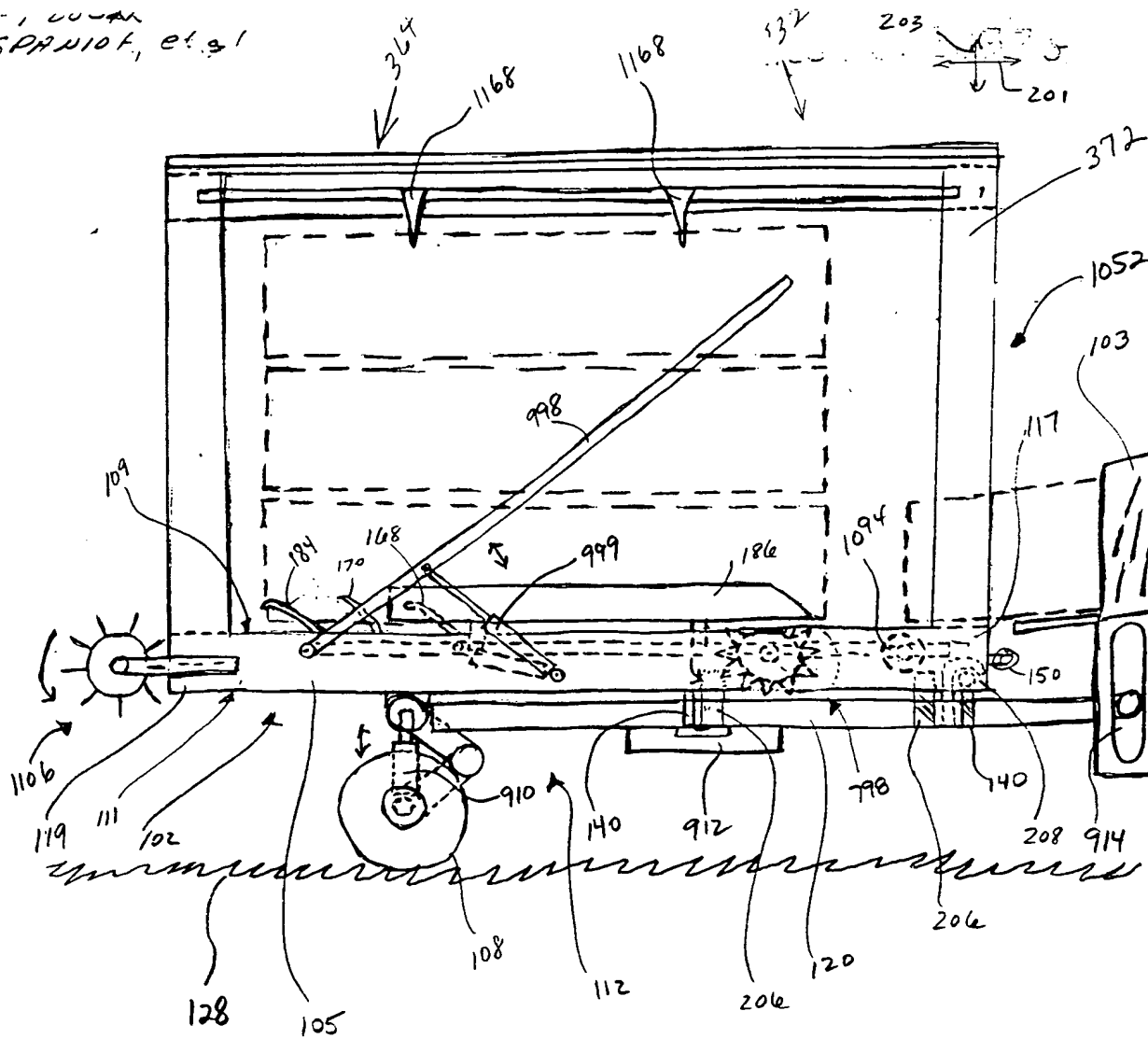
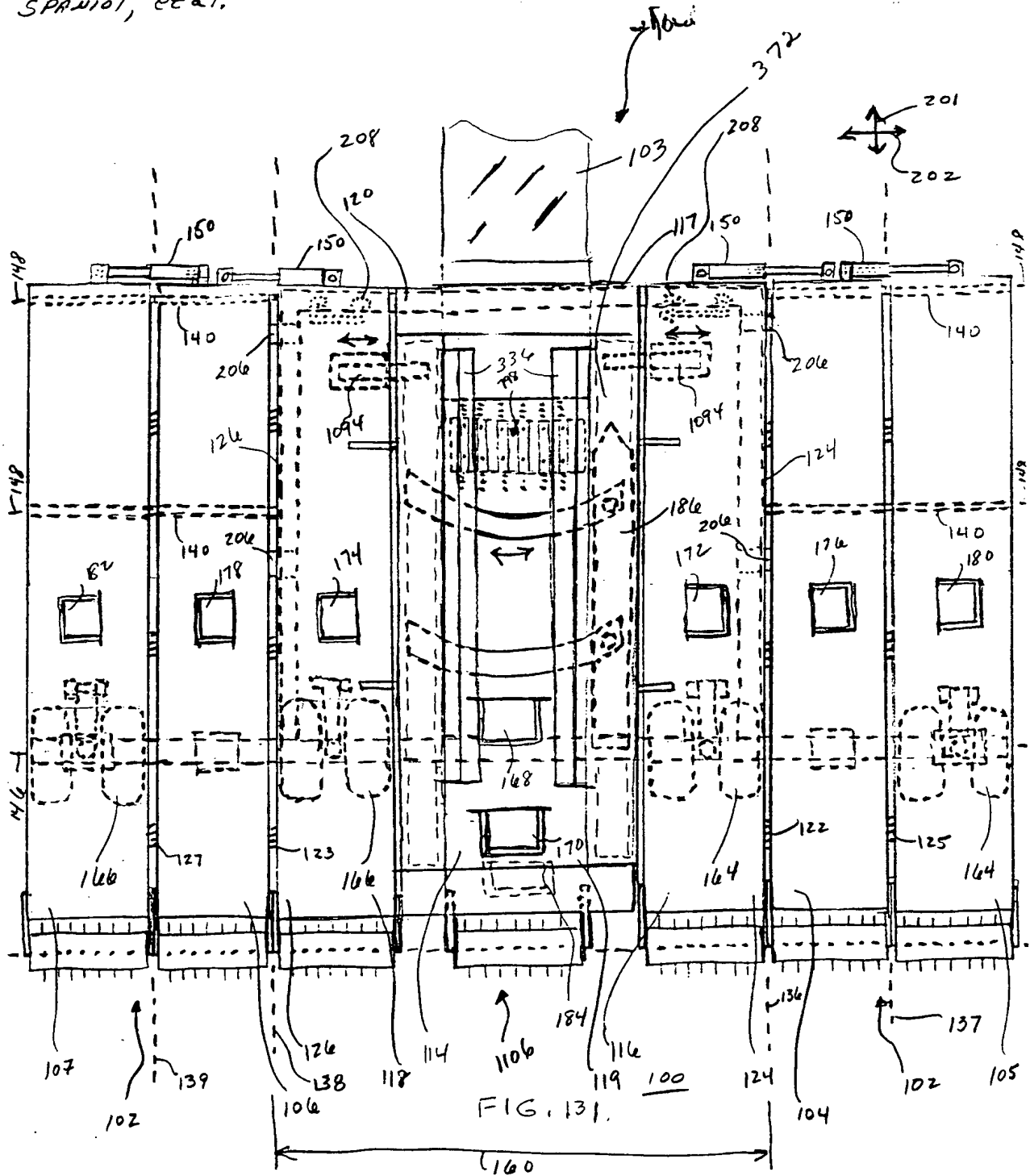


FIG. 130 100

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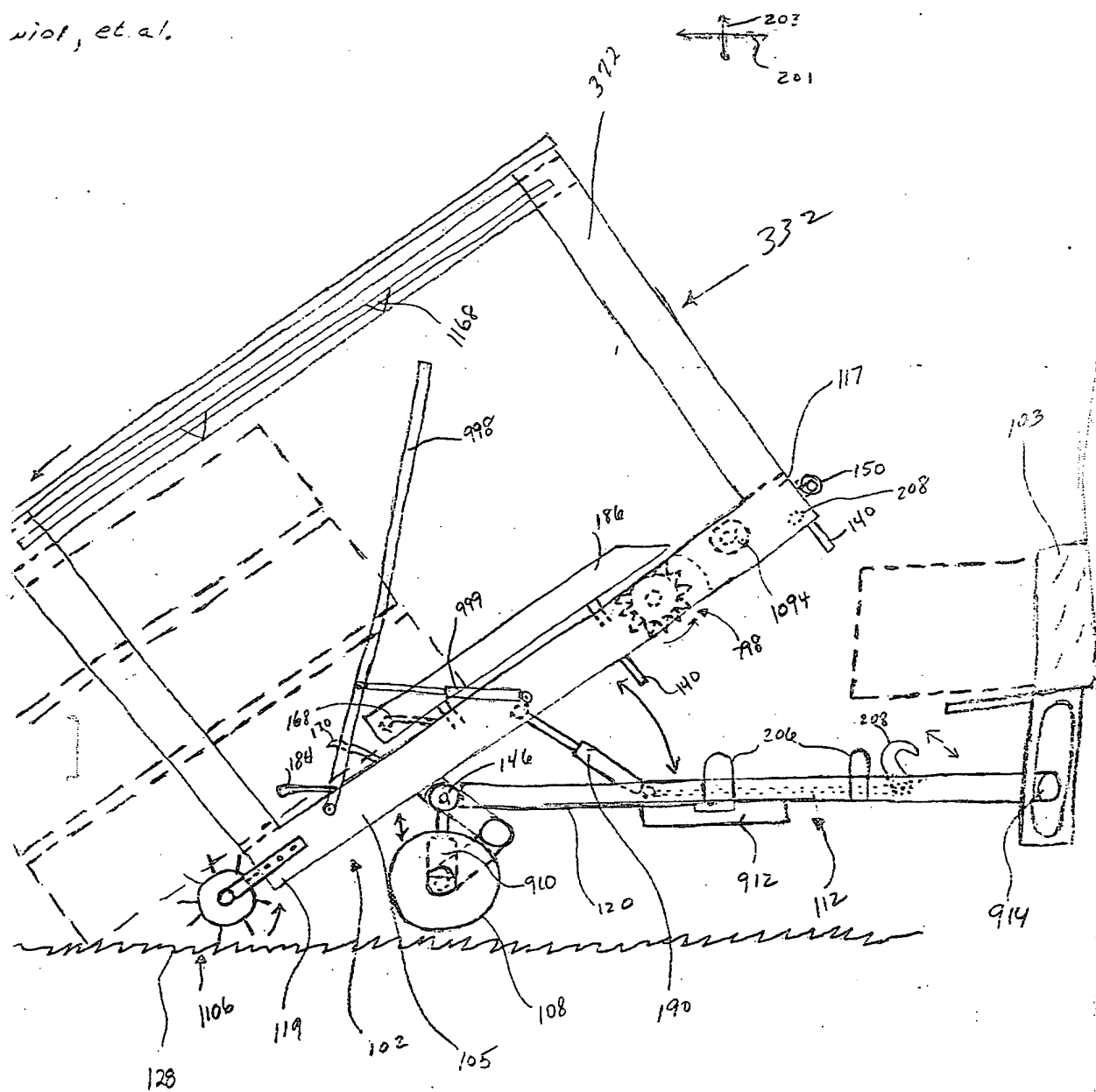


FIG. 132 100